

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN033119\
 Data File : VN054863.D
 Acq On : 31 Mar 2019 20:50
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 4/1/2019 12:50:18 PM

Quant Time: Apr 01 04:31:48 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	7.67	168	410719	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	692921	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	613701	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	268938	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	293616	53.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.06%	
35) Dibromofluoromethane	7.59	113	230066	49.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.60%	
50) Toluene-d8	10.09	98	869188	50.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.22%	
62) 4-Bromofluorobenzene	12.40	95	294618	51.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	200636	48.295	ug/l	100
3) Chloromethane	2.06	50	300053	52.235	ug/l	98
4) Vinyl Chloride	2.19	62	264616	51.297	ug/l	98
5) Bromomethane	2.57	94	135043	49.929	ug/l	97
6) Chloroethane	2.71	64	147308	51.140	ug/l	98
7) Trichlorofluoromethane	3.02	101	327020	51.564	ug/l	99
8) Diethyl Ether	3.41	74	109860	53.797	ug/l	66
9) 1,1,2-Trichlorotrifluoroet	3.75	101	165294	49.510	ug/l	94
10) Methyl Iodide	3.94	142	223265	48.850	ug/l #	88
11) Tert butyl alcohol	4.82	59	85260	295.562	ug/l	97
12) 1,1-Dichloroethene	3.73	96	169420	52.476	ug/l #	79
13) Acrolein	3.61	56	64485	250.054	ug/l	96
14) Allyl chloride	4.32	41	413769	52.032	ug/l #	91
15) Acrylonitrile	5.00	53	458540	285.982	ug/l	99
16) Acetone	3.82	43	310229	234.971	ug/l #	84
17) Carbon Disulfide	4.04	76	529186	50.537	ug/l	99
18) Methyl Acetate	4.33	43	207376	60.496	ug/l #	88
19) Methyl tert-butyl Ether	5.05	73	628611	55.663	ug/l	93
20) Methylene Chloride	4.54	84	251909	54.090	ug/l #	84
21) trans-1,2-Dichloroethene	5.04	96	221661	52.271	ug/l #	81
22) Diisopropyl ether	5.96	45	885508	56.301	ug/l #	94
23) Vinyl Acetate	5.90	43	3171911	289.797	ug/l #	92
24) 1,1-Dichloroethane	5.85	63	453760	54.083	ug/l	98
25) 2-Butanone	6.85	43	569361	291.736	ug/l #	87
26) 2,2-Dichloropropane	6.82	77	256659	43.646	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	260640	54.408	ug/l	89
28) Bromochloromethane	7.19	49	214130	51.040	ug/l #	70
29) Tetrahydrofuran	7.22	42	384253	283.476	ug/l #	84
30) Chloroform	7.37	83	440911	55.112	ug/l	100
31) Cyclohexane	7.65	56	411819	54.036	ug/l	88
32) 1,1,1-Trichloroethane	7.57	97	367795	55.475	ug/l	95
36) 1,1-Dichloropropene	7.79	75	332610	51.514	ug/l	96
37) Ethyl Acetate	6.94	43	252194	53.263	ug/l	95
38) Carbon Tetrachloride	7.77	117	314134	50.092	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	348476	49.092	ug/l	90
40) Benzene	8.04	78	987423	53.446	ug/l	100
41) Methacrylonitrile	7.18	41	155125	58.322	ug/l #	85
42) 1,2-Dichloroethane	8.13	62	348148	52.776	ug/l	97
43) Isopropyl Acetate	8.17	43	446894	58.088	ug/l #	92
44) Trichloroethene	8.83	130	251180	52.374	ug/l	90
45) 1,2-Dichloropropane	9.12	63	281520	53.440	ug/l	99
46) Dibromomethane	9.21	93	158801	53.586	ug/l	88
47) Bromodichloromethane	9.40	83	341986	55.527	ug/l	97
48) Methyl methacrylate	9.20	41	225820	54.148	ug/l	88
49) 1,4-Dioxane	9.21	88	48047	1161.116	ug/l #	82
51) 4-Methyl-2-Pentanone	9.99	43	1254785	290.093	ug/l	93
52) Toluene	10.16	92	591458	53.801	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	319924	55.221	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	384845	55.608	ug/l	92
55) 1,1,2-Trichloroethane	10.56	97	217134	53.118	ug/l	97
56) Ethyl methacrylate	10.43	69	308272	57.489	ug/l #	86
57) 1,3-Dichloropropane	10.71	76	380753	54.179	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	577580	250.048	ug/l #	88
59) 2-Hexanone	10.75	43	782240	282.500	ug/l	91
60) Dibromochloromethane	10.90	129	238695	57.645	ug/l	98
61) 1,2-Dibromoethane	11.01	107	215471	55.158	ug/l	99
64) Tetrachloroethene	10.63	164	234408	49.775	ug/l	96
65) Chlorobenzene	11.43	112	609849	50.755	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	239375	53.225	ug/l	99
67) Ethyl Benzene	11.51	91	1129723	52.103	ug/l	97
68) m/p-Xylenes	11.62	106	815910	101.684	ug/l	92
69) o-Xylene	11.95	106	405143	51.490	ug/l	96
70) Styrene	11.96	104	681152	54.142	ug/l	97
71) Bromoform	12.13	173	146927	55.765	ug/l #	100
73) Isopropylbenzene	12.25	105	1072205	48.777	ug/l	98
74) N-amyl acetate	12.07	43	369675	53.981	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.50	83	276946	57.405	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	244040m	52.234	ug/l	
77) Bromobenzene	12.53	156	264390	49.836	ug/l	84
78) n-propylbenzene	12.59	91	1187838	49.164	ug/l	96
79) 2-Chlorotoluene	12.68	91	732135	48.981	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	884820	49.056	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	59161	49.255	ug/l #	84
82) 4-Chlorotoluene	12.77	91	728554	50.182	ug/l	94
83) tert-Butylbenzene	12.99	119	767913	55.163	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	865617	50.374	ug/l	98
85) sec-Butylbenzene	13.17	105	965429	49.273	ug/l	97
86) p-Isopropyltoluene	13.29	119	851019	49.245	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	446168	50.231	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	438278	50.309	ug/l	99
89) n-Butylbenzene	13.62	91	676314	47.967	ug/l	98
90) Hexachloroethane	13.87	117	149974	51.114	ug/l	88
91) 1,2-Dichlorobenzene	13.65	146	444339	49.568	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	40336	53.676	ug/l	85

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	215234	49.803	ug/l	100
94) Hexachlorobutadiene	15.01	225	127312	49.731	ug/l	98
95) Naphthalene	15.13	128	492555	50.817	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	219666	50.329	ug/l	98

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

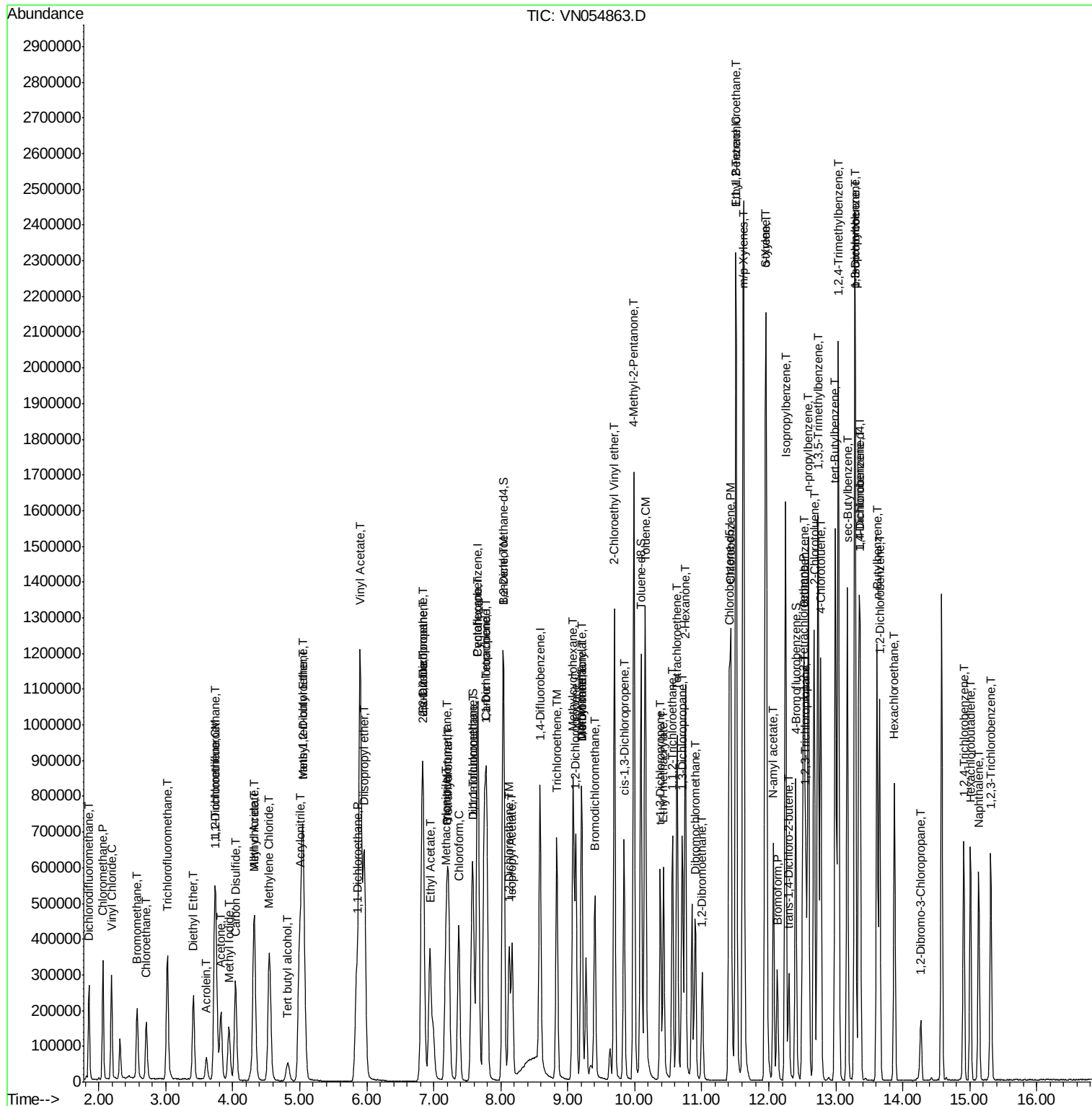
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN033119\
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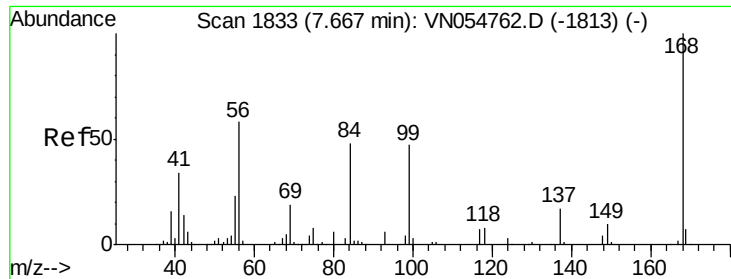
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

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Acq: 31 Mar 2019 20:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 168 Resp: 410719

Ion Ratio Lower Upper

168 100

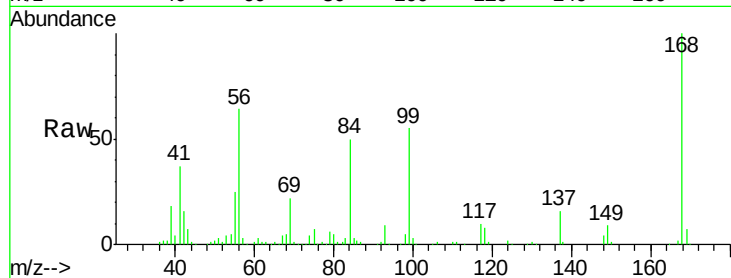
99 54.0 37.1 55.7

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

200000

150000

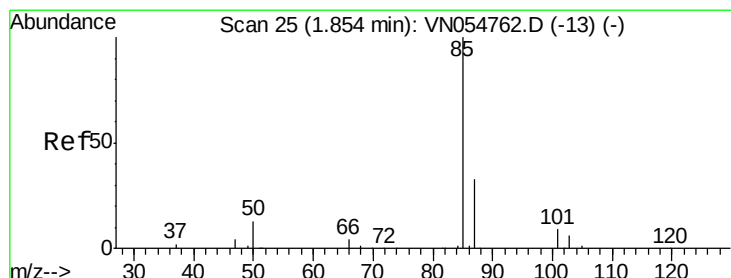
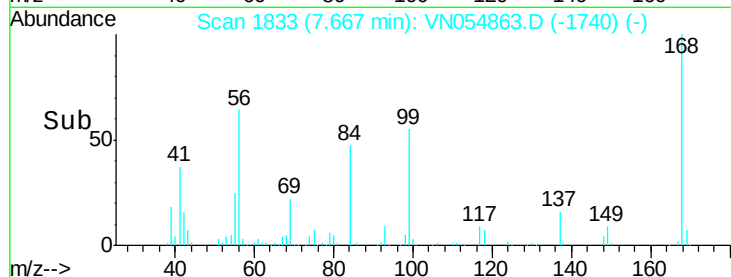
100000

50000

0

7.60 7.65 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 48.295 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN054863.D

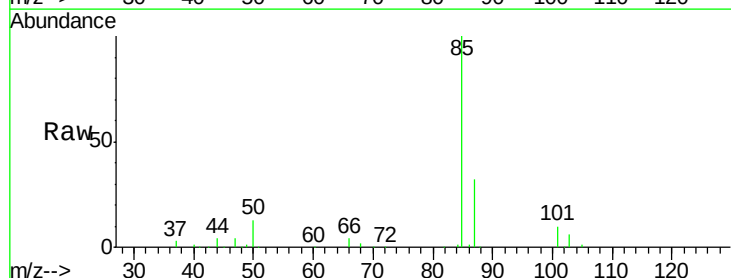
Acq: 31 Mar 2019 20:50

Tgt Ion: 85 Resp: 200636

Ion Ratio Lower Upper

85 100

87 32.0 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

150000

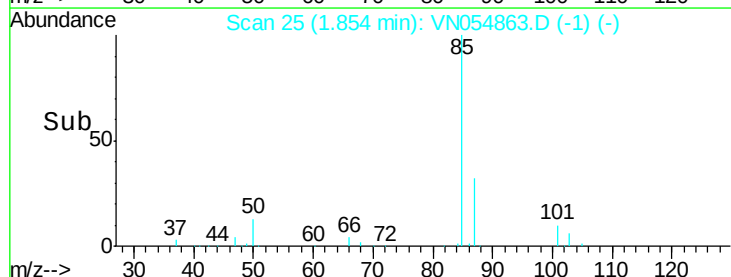
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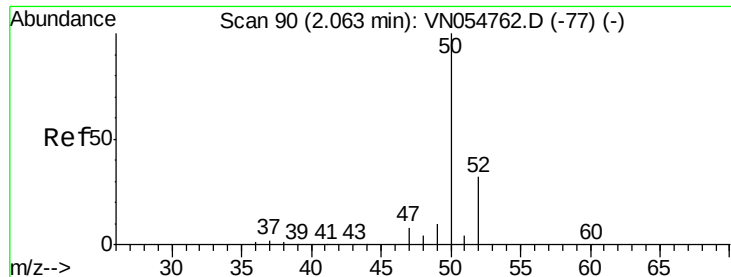
50000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 52.235 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN054863.D

Acq: 31 Mar 2019 20:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 50 Resp: 300053

Ion Ratio Lower Upper

50 100

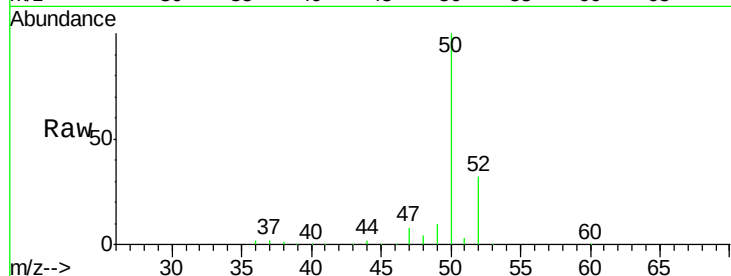
52 31.9 26.4 39.6

Manual Integrations

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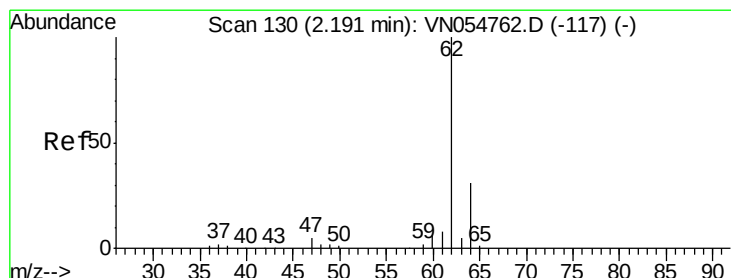
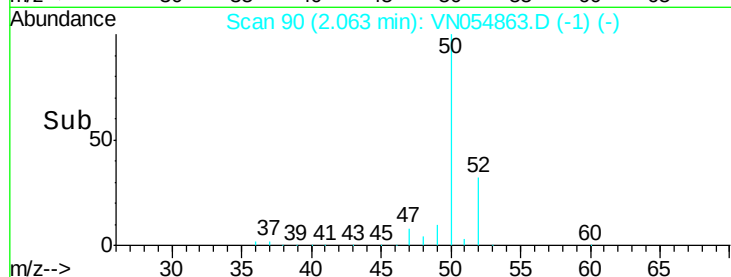
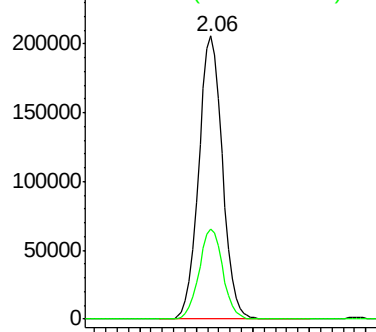
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 51.297 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN054863.D

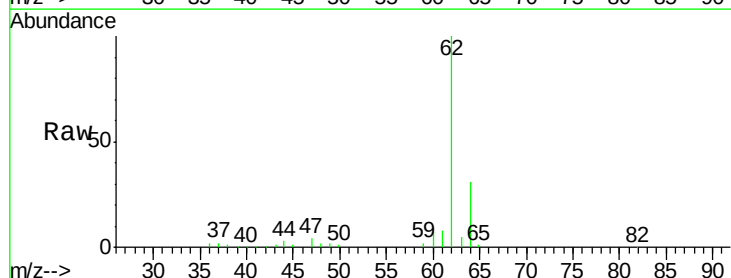
Acq: 31 Mar 2019 20:50

Tgt Ion: 62 Resp: 264616

Ion Ratio Lower Upper

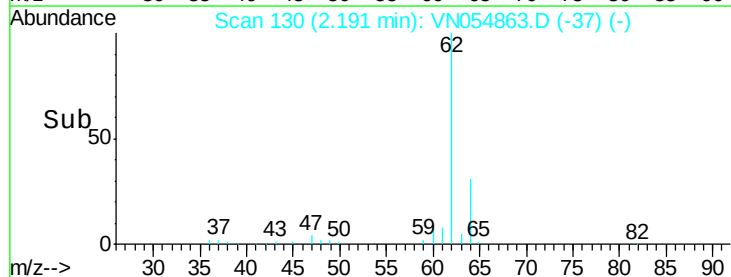
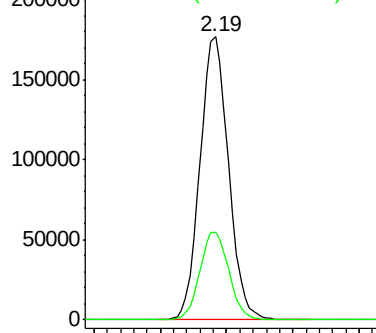
62 100

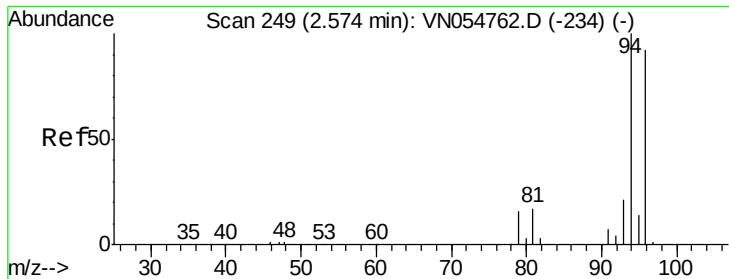
64 31.0 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 49.929 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN054863.D

Acq: 31 Mar 2019 20:50

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ClientSampleId :

VSTDCCC050EC

Tgt Ion: 94 Resp: 135043

Ion Ratio Lower Upper

94 100

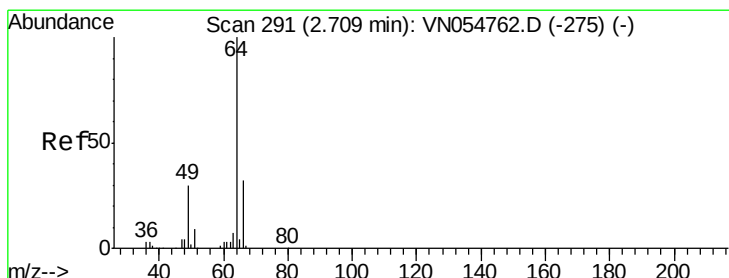
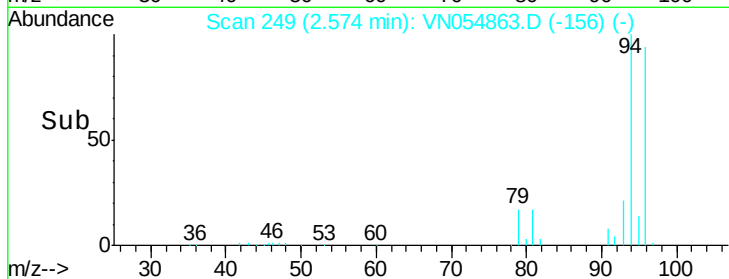
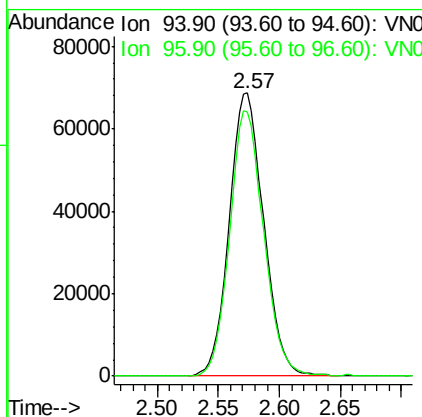
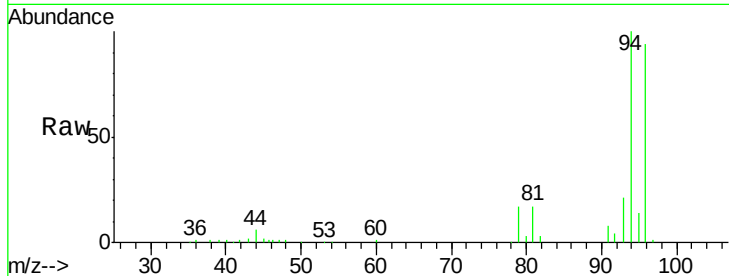
96 93.6 77.0 115.4

Manual Integrations

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#6

Chloroethane

Concen: 51.140 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN054863.D

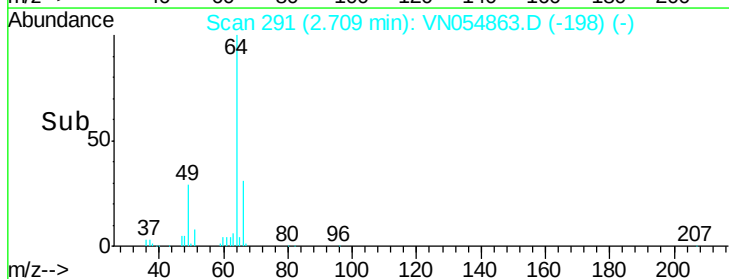
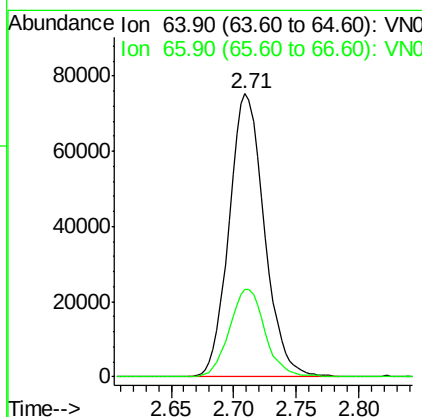
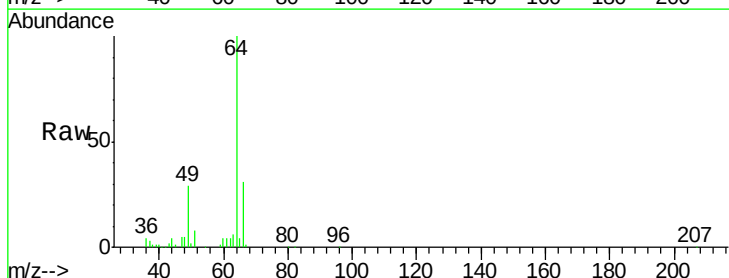
Acq: 31 Mar 2019 20:50

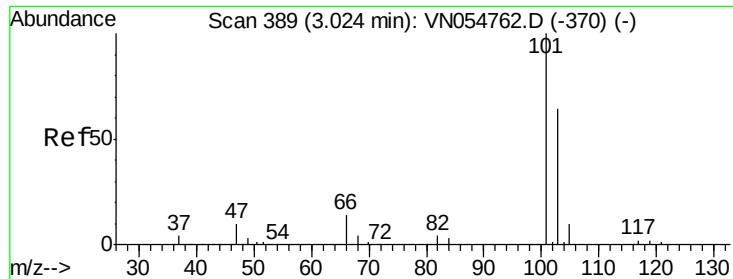
Tgt Ion: 64 Resp: 147308

Ion Ratio Lower Upper

64 100

66 30.9 25.7 38.5





#7

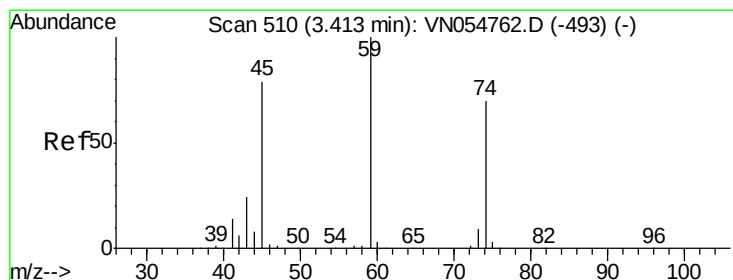
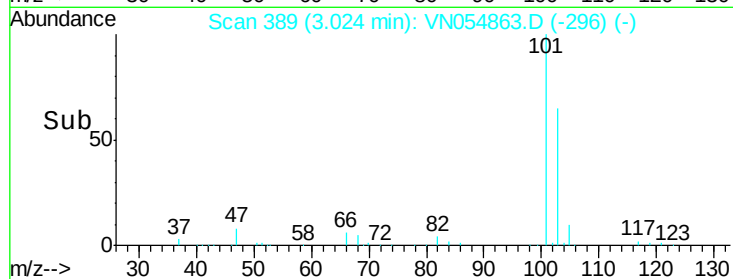
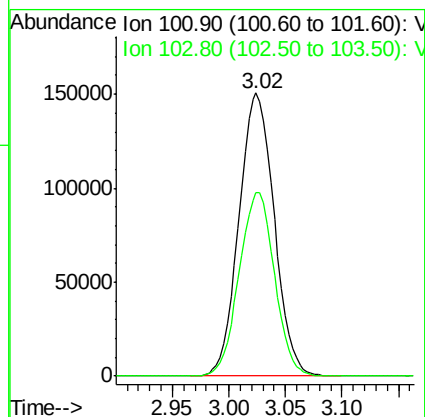
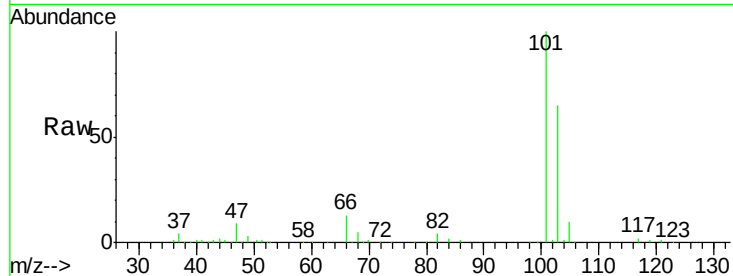
Trichlorofluoromethane
Concen: 51.564 ug/l
RT: 3.02 min Scan# 389
Delta R.T. -0.00 min
Lab File: VN054863.D
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Instrument :
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ClientSampleId :
VSTDCCC050EC

Tgt Ion: 101 Resp: 327020
Ion Ratio Lower Upper
101 100
103 65.0 51.4 77.2

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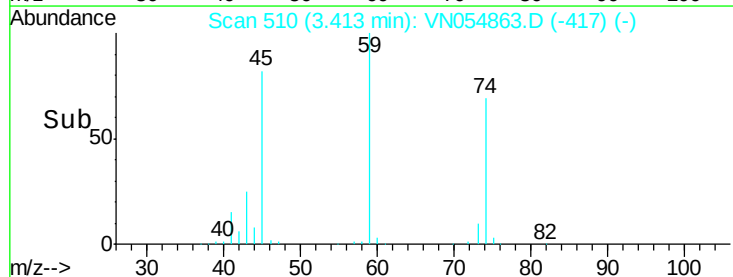
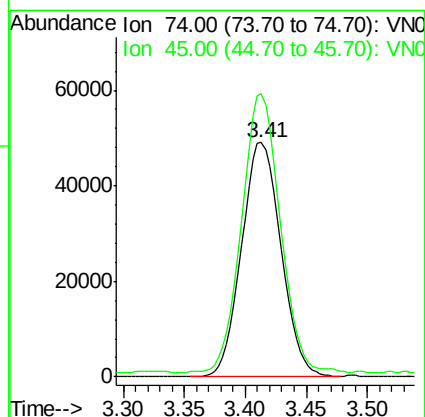
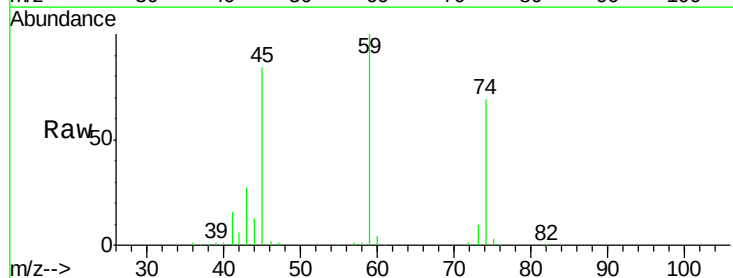
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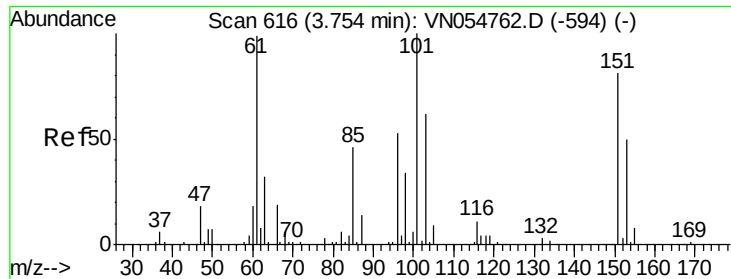


#8

Diethyl Ether
Concen: 53.797 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN054863.D
Acq: 31 Mar 2019 20:50

Tgt Ion: 74 Resp: 109860
Ion Ratio Lower Upper
74 100
45 117.2 43.1 129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.510 ug/l

RT: 3.75 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN054863.D

Acq: 31 Mar 2019 20:50

Instrument :

MSVOA_N

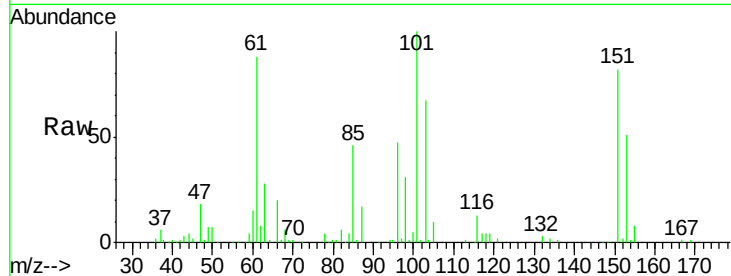
ClientSampleId :

VSTDCCC050EC

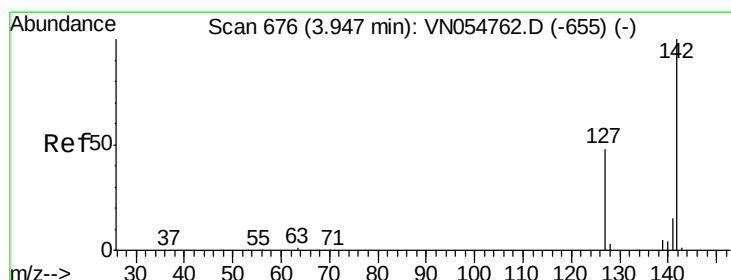
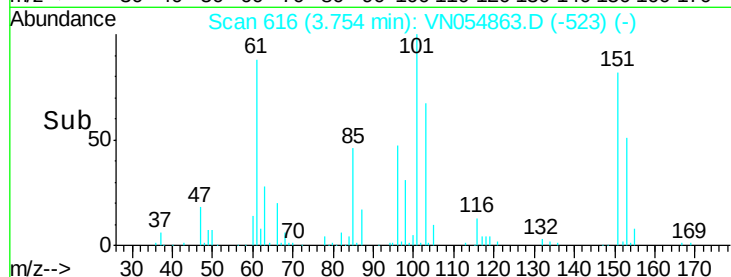
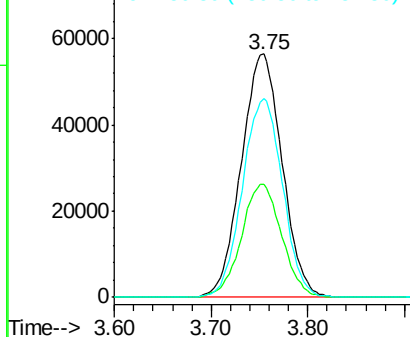
Tgt Ion:	101	Resp:	165294
Ion Ratio	Lower	Upper	
101	100		
85	45.8	32.4	48.6
151	80.6	68.2	102.2

Manual Integrations
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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 48.850 ug/l

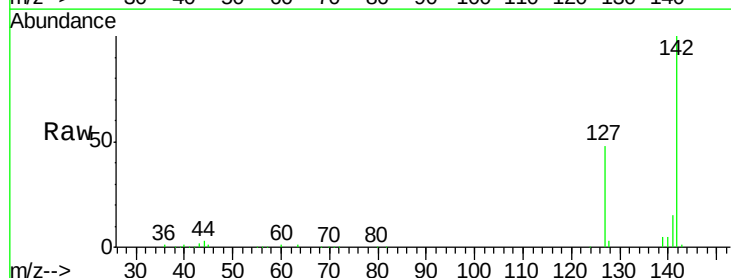
RT: 3.94 min Scan# 675

Delta R.T. -0.00 min

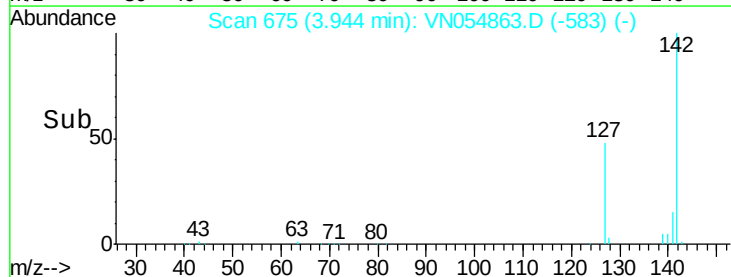
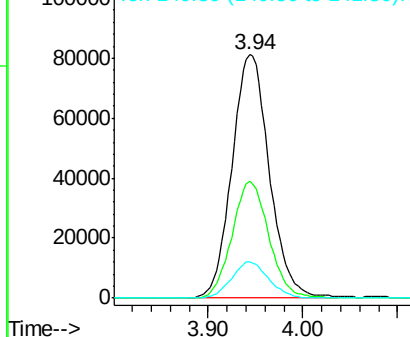
Lab File: VN054863.D

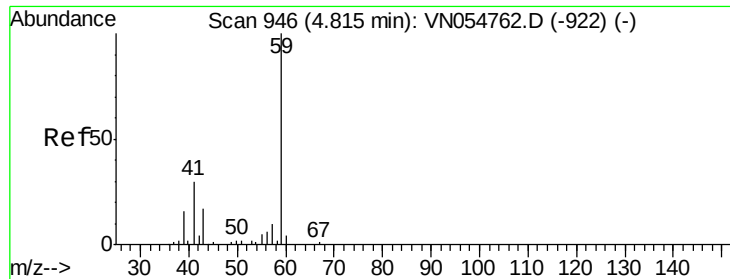
Acq: 31 Mar 2019 20:50

Tgt Ion:	142	Resp:	223265
Ion Ratio	Lower	Upper	
142	100		
127	47.3	30.3	45.5#
141	14.8	11.2	16.8



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





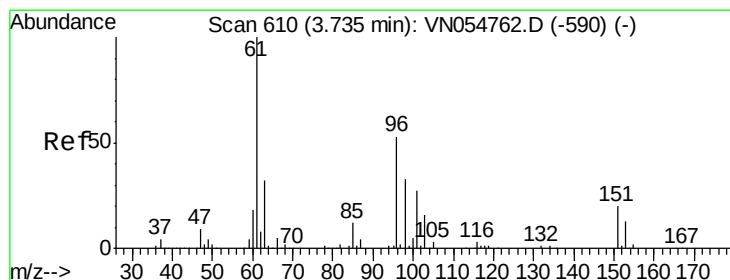
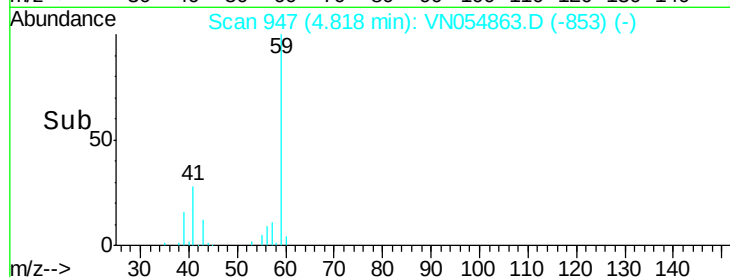
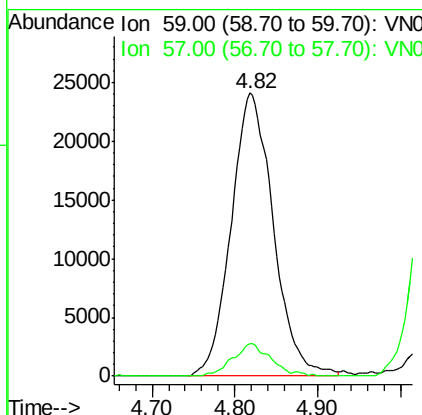
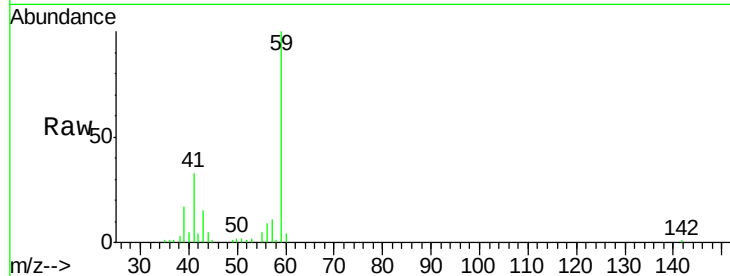
#11
Tert butyl alcohol
Concen: 295.562 ug/l
RT: 4.82 min Scan# 947
Delta R.T. 0.00 min
Lab File: VN054863.D
Acq: 31 Mar 2019 20:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 59 Resp: 85260
Ion Ratio Lower Upper
59 100
57 10.1 9.0 13.6

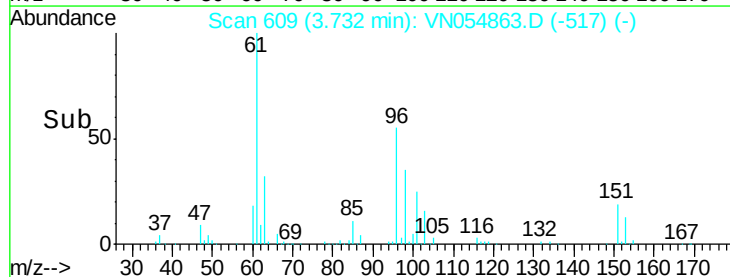
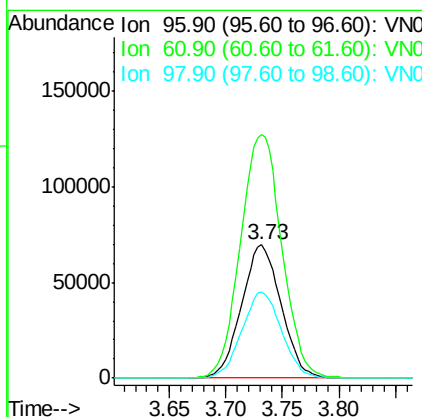
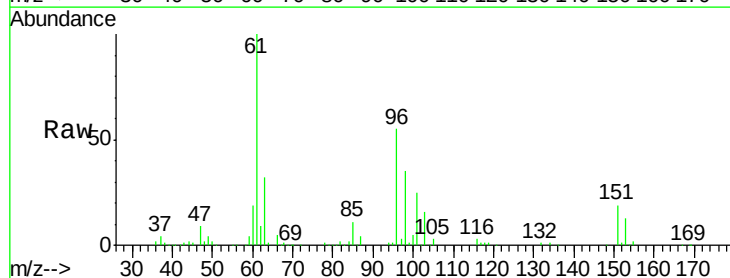
Manual Integrations
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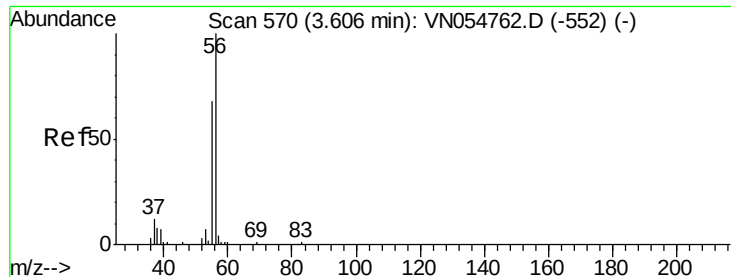
MMDadoda
4/1/2019 12:50:18 PM



#12
1,1-Dichloroethene
Concen: 52.476 ug/l
RT: 3.73 min Scan# 609
Delta R.T. -0.00 min
Lab File: VN054863.D
Acq: 31 Mar 2019 20:50

Tgt Ion: 96 Resp: 169420
Ion Ratio Lower Upper
96 100
61 182.8 116.5 174.7#
98 64.7 51.0 76.4





#13

Acrolein

Concen: 250.054 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN054863.D

Acq: 31 Mar 2019 20:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 56 Resp: 64485

Ion Ratio Lower Upper

56 100

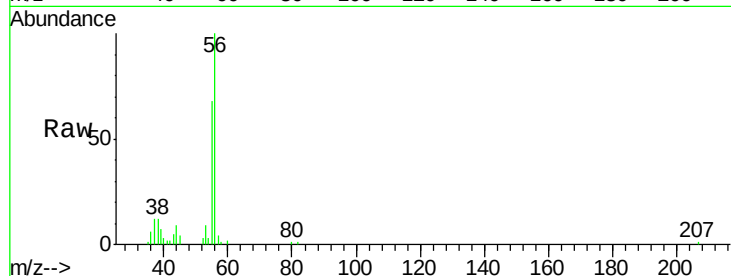
55 74.0 56.7 85.1

Manual Integrations

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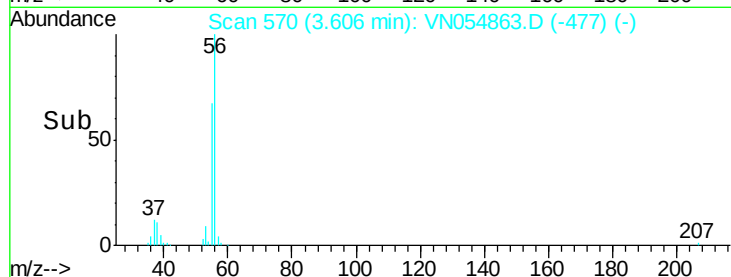


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.61

Time-->



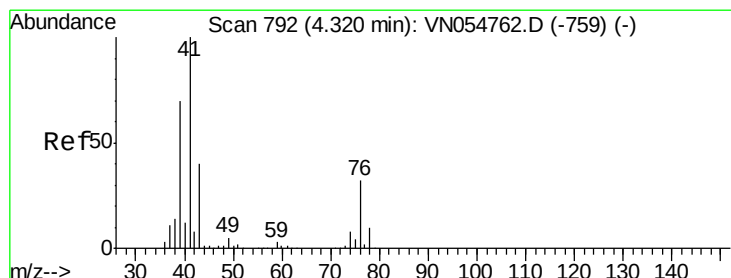
Abundance

Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.61

Time-->



#14

Allyl chloride

Concen: 52.032 ug/l

RT: 4.32 min Scan# 791

Delta R.T. -0.00 min

Lab File: VN054863.D

Acq: 31 Mar 2019 20:50

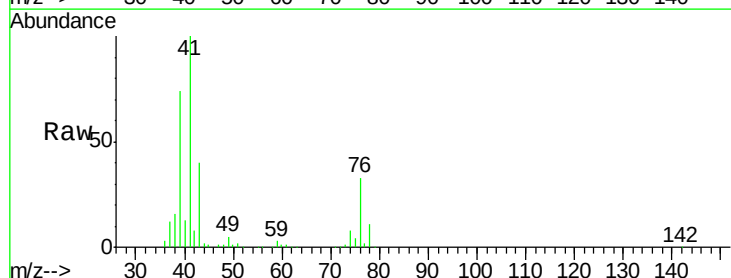
Tgt Ion: 41 Resp: 413769

Ion Ratio Lower Upper

41 100

39 68.4 58.2 87.4

76 29.3 31.7 47.5#



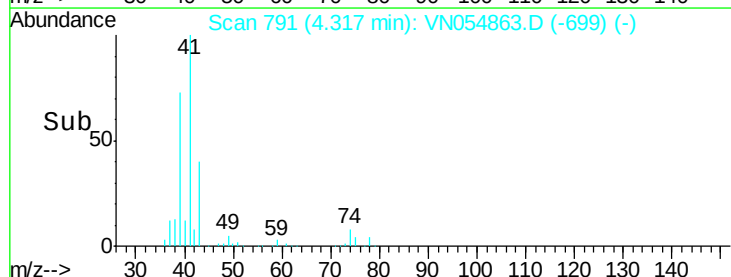
Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

4.32

Time-->



Abundance

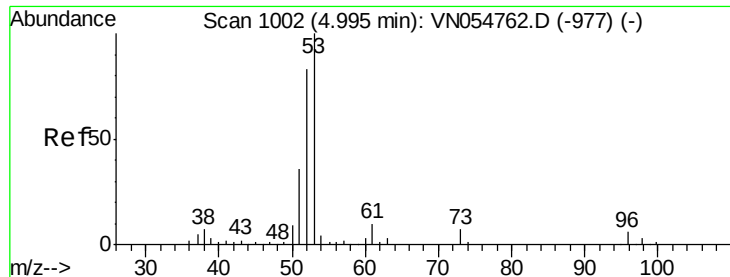
Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

4.32

Time-->



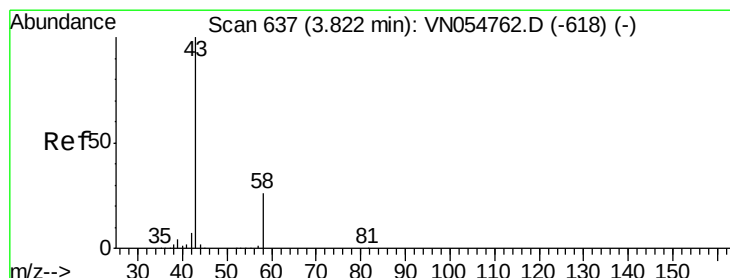
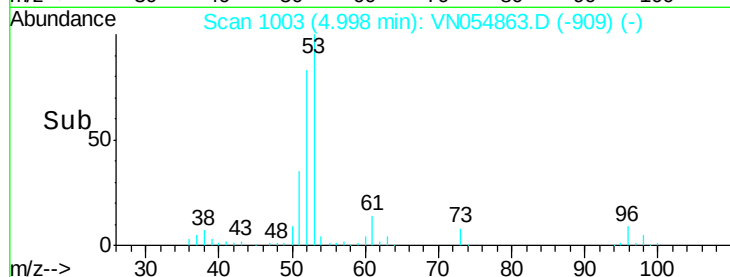
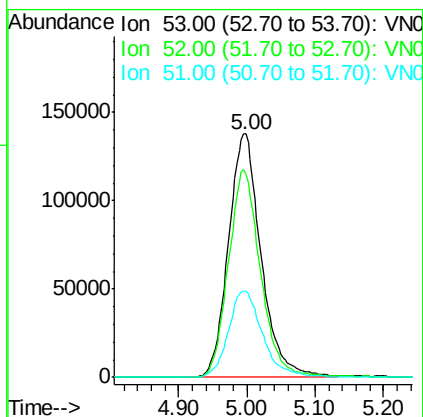
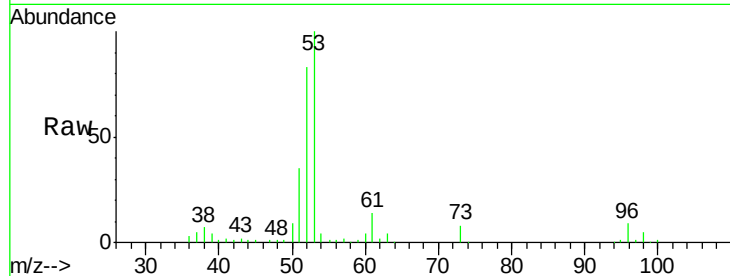
#15
 Acrylonitrile
 Concen: 285.982 ug/l
 RT: 5.00 min Scan# 1003
 Delta R.T. 0.00 min
 Lab File: VN054863.D
 Acq: 31 Mar 2019 20:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
53	100		
52	83.5	66.4	99.6
51	37.2	29.6	44.4

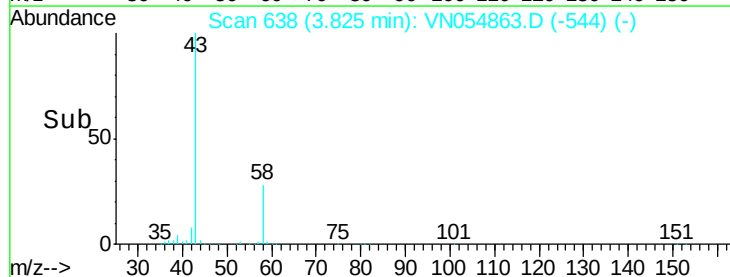
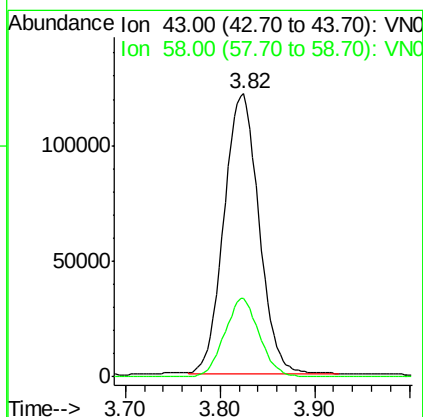
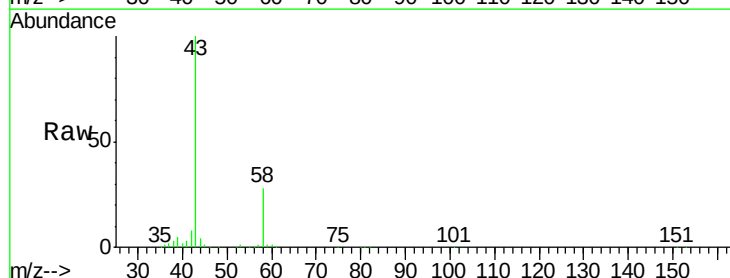
Manual Integrations
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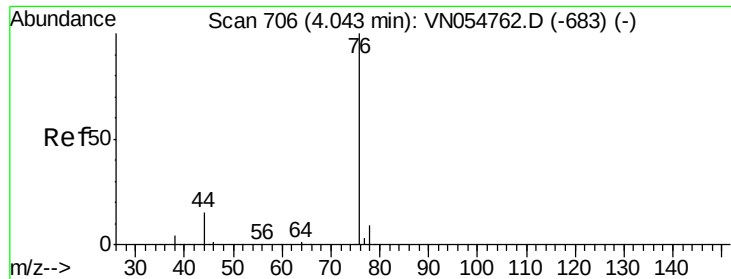
MMDadoda
 4/1/2019 12:50:18 PM



#16
 Acetone
 Concen: 234.971 ug/l
 RT: 3.82 min Scan# 638
 Delta R.T. 0.00 min
 Lab File: VN054863.D
 Acq: 31 Mar 2019 20:50

Tgt Ion	Ratio	Lower	Upper
43	100		
58	27.7	29.9	44.9#





#17

Carbon Disulfide

Concen: 50.537 ug/l

RT: 4.04 min Scan# 705

Delta R.T. -0.00 min

Lab File: VN054863.D

Acq: 31 Mar 2019 20:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 76 Resp: 529186

Ion Ratio Lower Upper

76 100

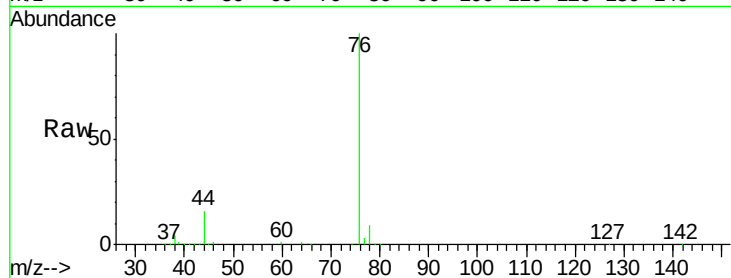
78 9.2 7.5 11.3

Manual Integrations

APPROVED

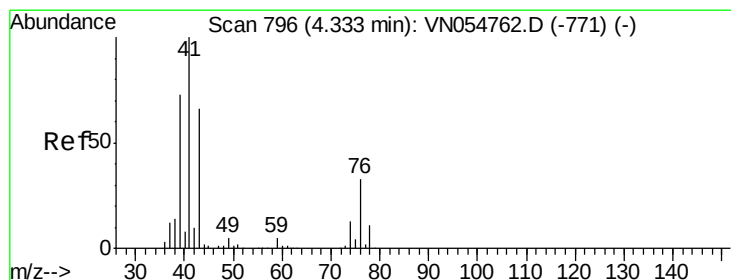
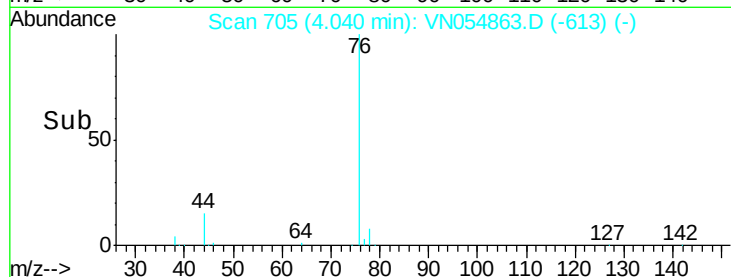
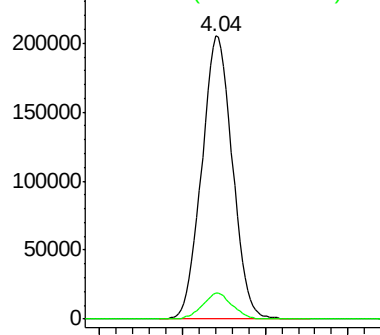
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO



#18

Methyl Acetate

Concen: 60.496 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.00 min

Lab File: VN054863.D

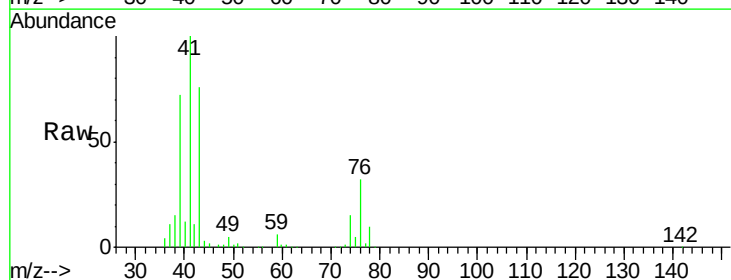
Acq: 31 Mar 2019 20:50

Tgt Ion: 43 Resp: 207376

Ion Ratio Lower Upper

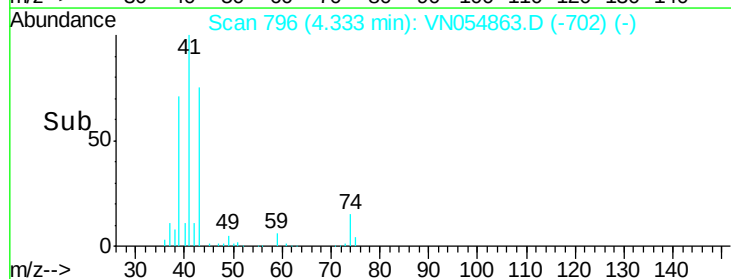
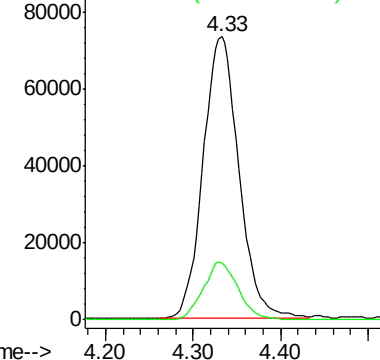
43 100

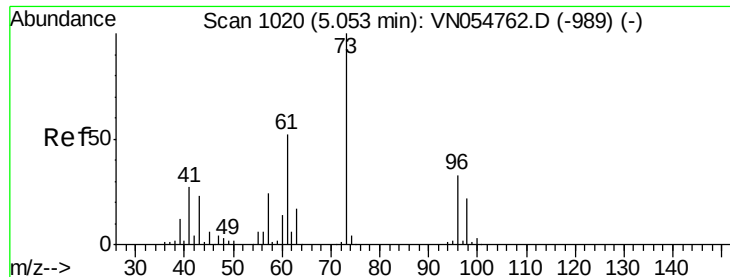
74 20.1 20.8 31.2#



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO





#19

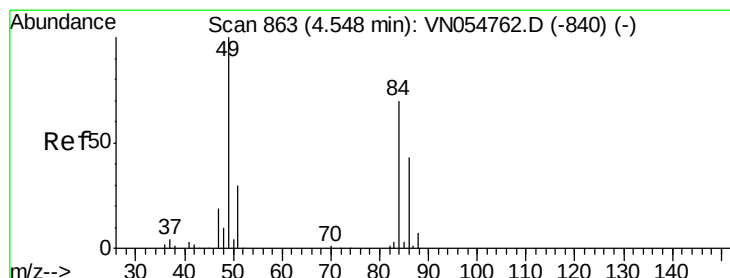
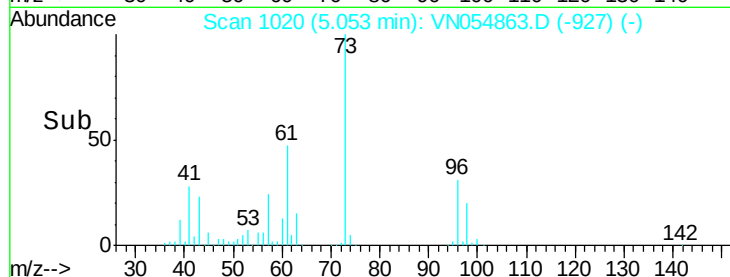
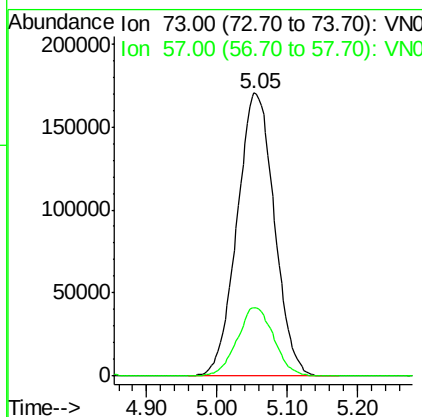
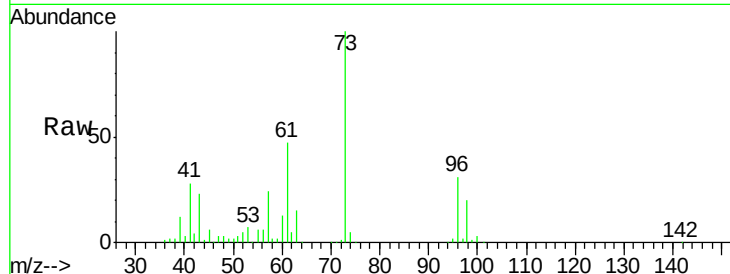
Methyl tert-butyl Ether
 Concen: 55.663 ug/l
 RT: 5.05 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VN054863.D
 Acq: 31 Mar 2019 20:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 73 Resp: 628611
 Ion Ratio Lower Upper
 73 100
 57 24.4 16.8 25.2

Manual Integrations
 APPROVED

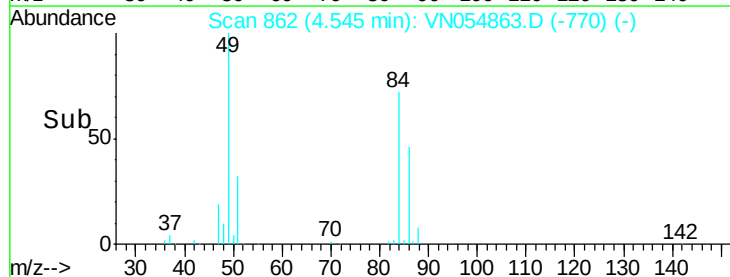
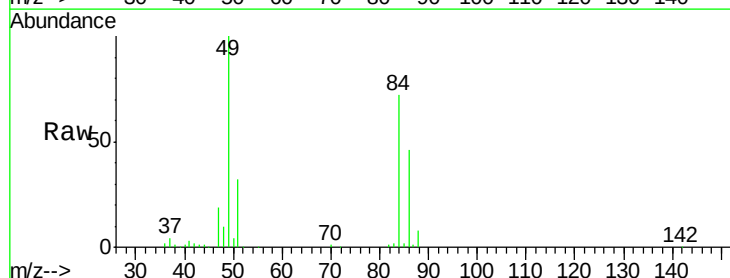
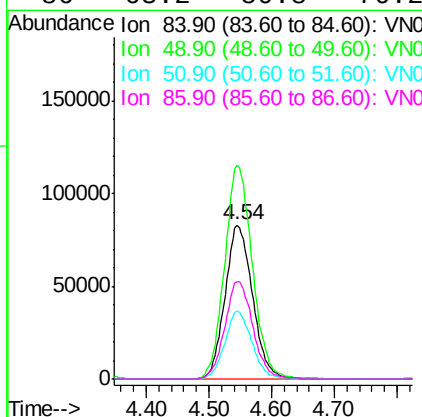
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 4/1/2019 12:50:18 PM

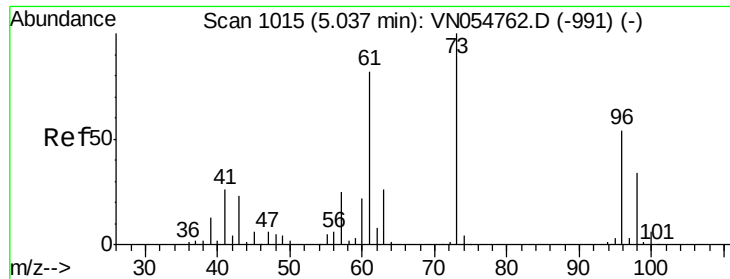


#20

Methylene Chloride
 Concen: 54.090 ug/l
 RT: 4.54 min Scan# 862
 Delta R.T. -0.00 min
 Lab File: VN054863.D
 Acq: 31 Mar 2019 20:50

Tgt Ion: 84 Resp: 251909
 Ion Ratio Lower Upper
 84 100
 49 138.9 89.7 134.5#
 51 43.9 28.2 42.4#
 86 63.2 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 52.271 ug/l

RT: 5.04 min Scan# 1015

Delta R.T. 0.00 min

Lab File: VN054863.D

Acq: 31 Mar 2019 20:50

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050EC

Tgt Ion: 96 Resp: 221661

Ion Ratio Lower Upper

96 100

61 157.3 102.8 154.2#

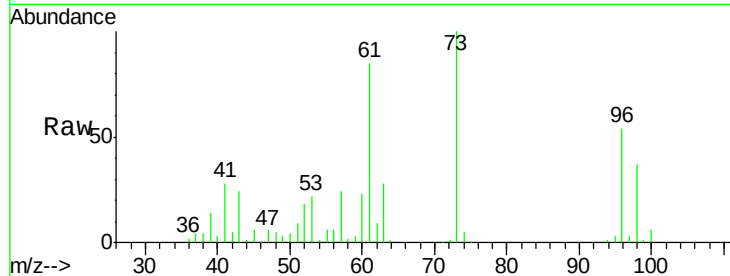
98 68.3 50.0 75.0

Manual Integrations

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Abundance

Ion 95.90 (95.60 to 96.60): VNC

Ion 60.90 (60.60 to 61.60): VNC

Ion 97.90 (97.60 to 98.60): VNC

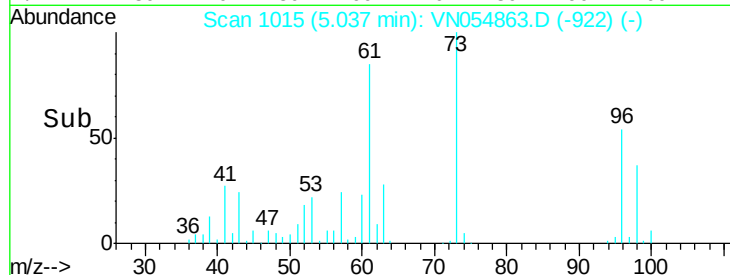
150000

100000

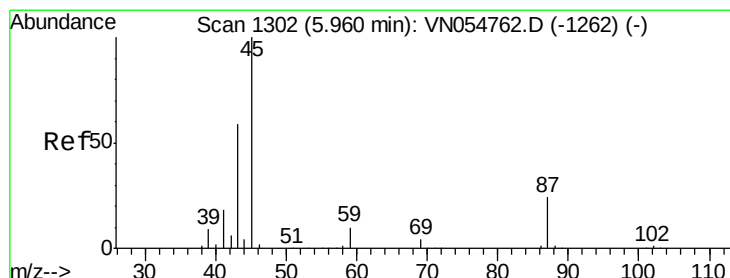
50000

0

Time-->



Time-->



#22

Diisopropyl ether

Concen: 56.301 ug/l

RT: 5.96 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VN054863.D

Acq: 31 Mar 2019 20:50

Tgt Ion: 45 Resp: 885508

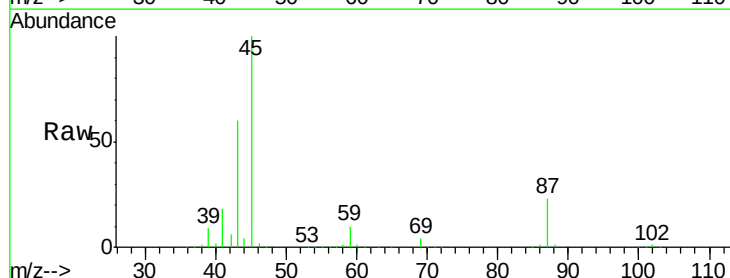
Ion Ratio Lower Upper

45 100

43 58.5 48.2 72.2

87 22.7 24.9 37.3#

59 10.1 9.5 14.3



Abundance

Ion 45.00 (44.70 to 45.70): VNC

Ion 43.00 (42.70 to 43.70): VNC

Ion 87.00 (86.70 to 87.70): VNC

Ion 59.00 (58.70 to 59.70): VNC

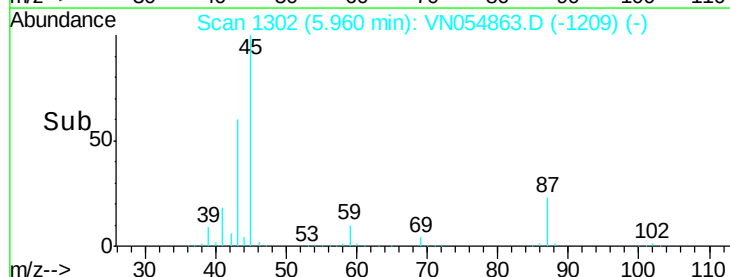
1500000

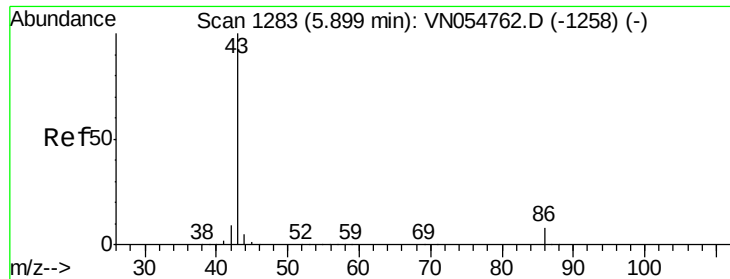
1000000

500000

0

Time-->





#23

Vinyl Acetate

Concen: 289.797 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VN054863.D

Acq: 31 Mar 2019 20:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 3171911

Ion Ratio Lower Upper

43 100

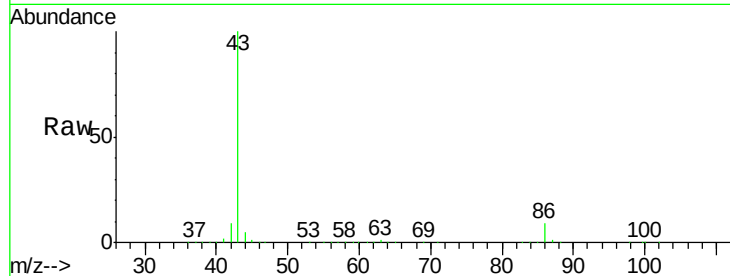
86 8.5 9.1 13.7#

Manual Integrations

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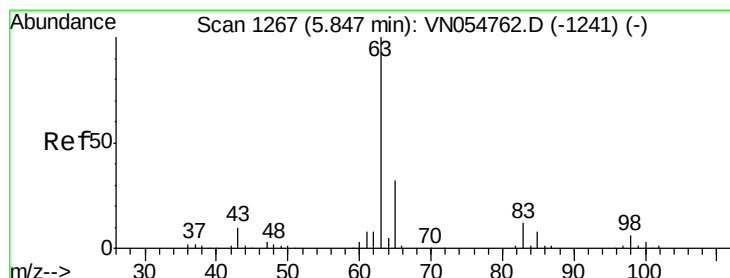
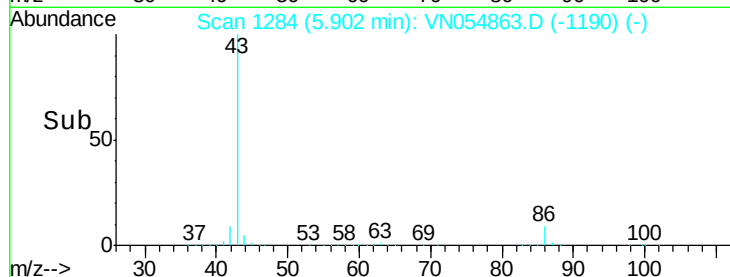
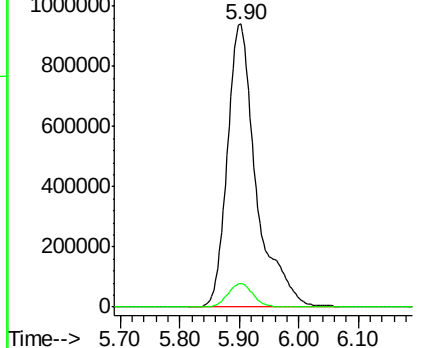
MMDadoda

4/1/2019 12:50:18 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 54.083 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VN054863.D

Acq: 31 Mar 2019 20:50

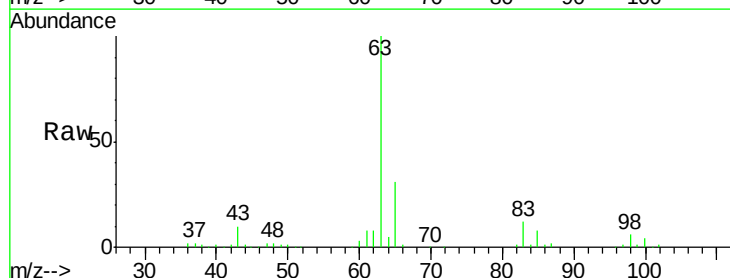
Tgt Ion: 63 Resp: 453760

Ion Ratio Lower Upper

63 100

98 6.0 3.5 10.5

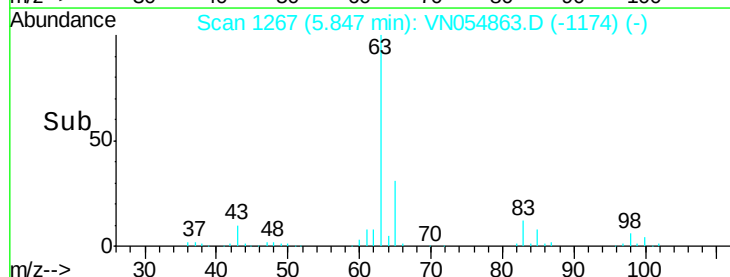
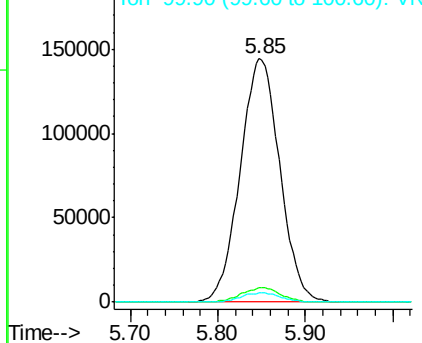
100 3.6 2.0 6.0

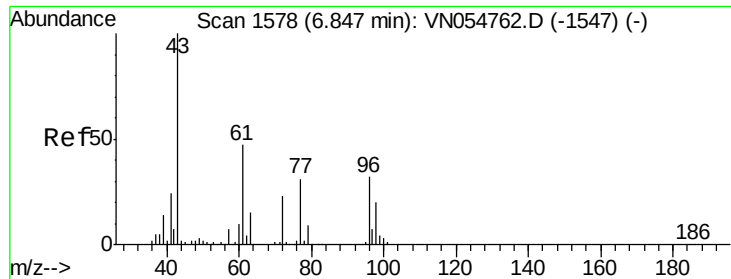


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





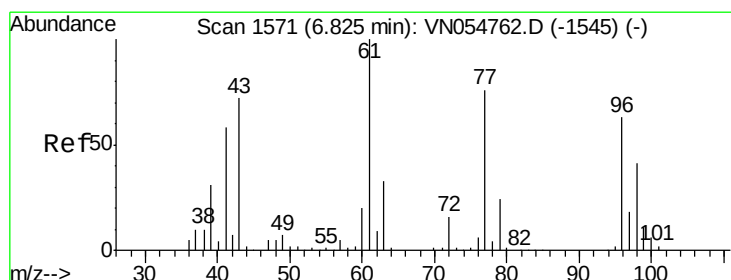
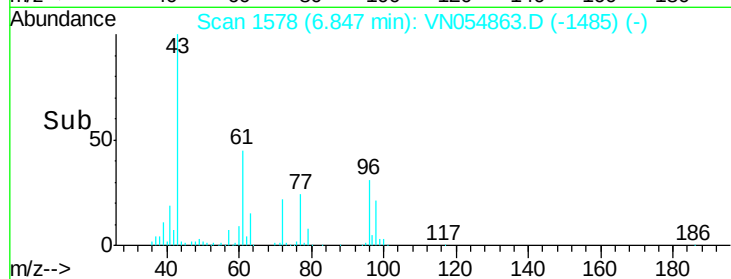
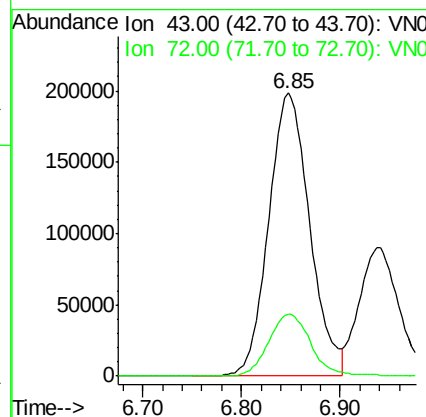
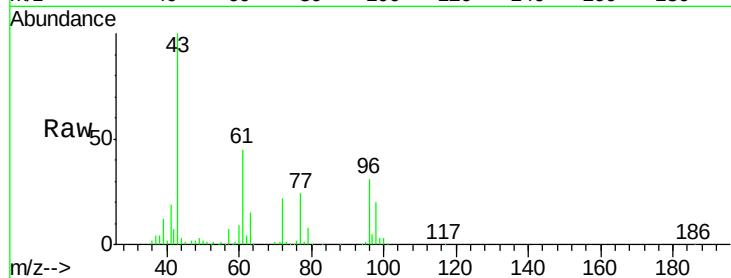
#25
2-Butanone
Concen: 291.736 ug/l
RT: 6.85 min Scan# 1578
Delta R.T. 0.00 min
Lab File: VN054863.D
Acq: 31 Mar 2019 20:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 569361
Ion Ratio Lower Upper
43 100
72 22.0 23.0 34.6#

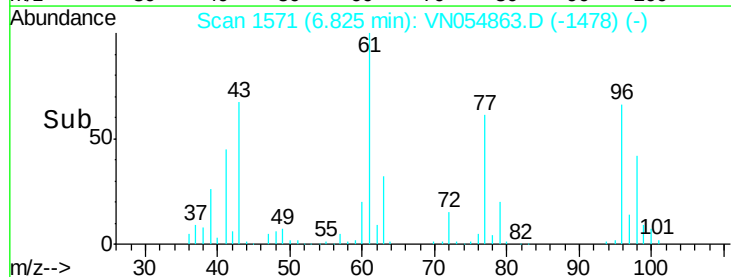
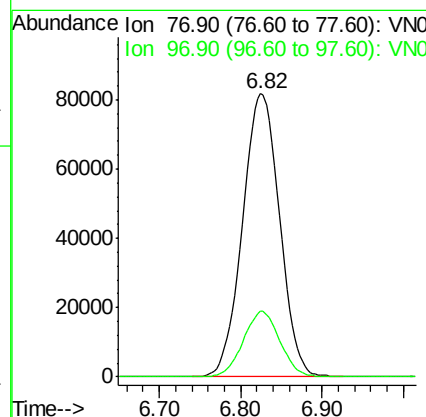
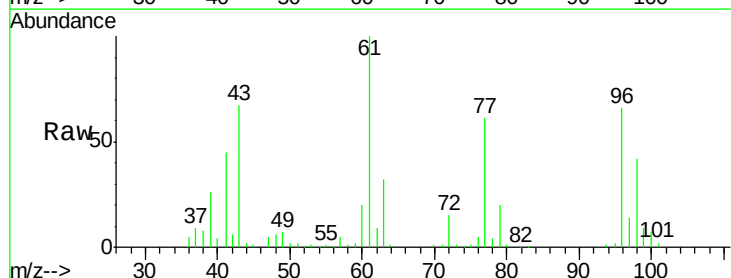
Manual Integrations
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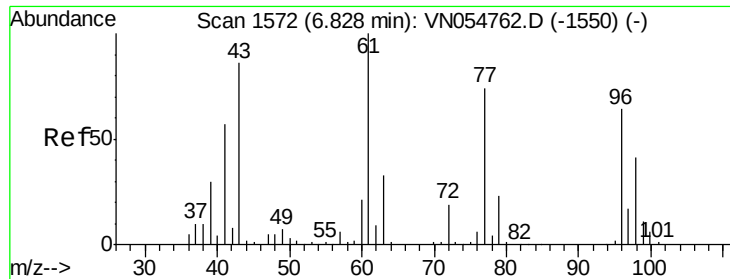
MMDadoda
4/1/2019 12:50:18 PM



#26
2,2-Dichloropropane
Concen: 43.646 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. 0.00 min
Lab File: VN054863.D
Acq: 31 Mar 2019 20:50

Tgt Ion: 77 Resp: 256659
Ion Ratio Lower Upper
77 100
97 22.9 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 54.408 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN054863.D

Acq: 31 Mar 2019 20:50

Instrument :

MSVOA_N

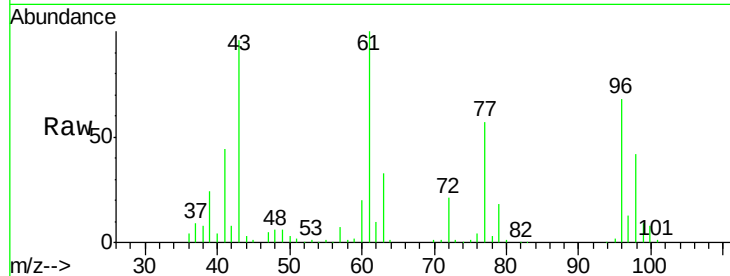
ClientSampleId :

VSTDCCC050EC

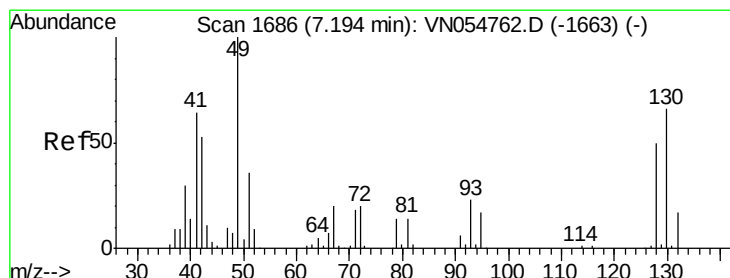
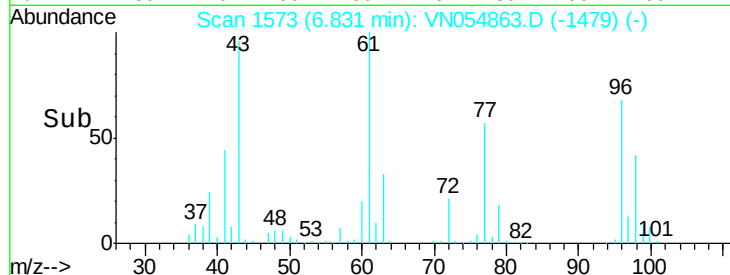
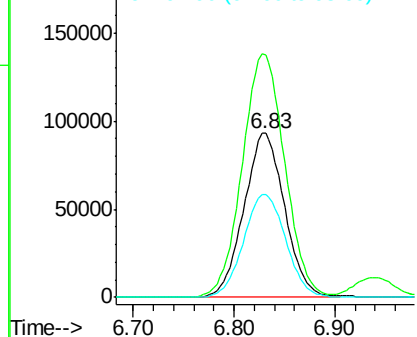
Tgt Ion:	96	Resp:	260640
Ion Ratio	Lower	Upper	
96	100		
61	155.2	0.0	273.0
98	64.9	0.0	130.6

Manual Integrations
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Abundance Ion 95.90 (95.60 to 96.60): VNC
Ion 60.90 (60.60 to 61.60): VNC
Ion 97.90 (97.60 to 98.60): VNC



#28

Bromochloromethane

Concen: 51.040 ug/l

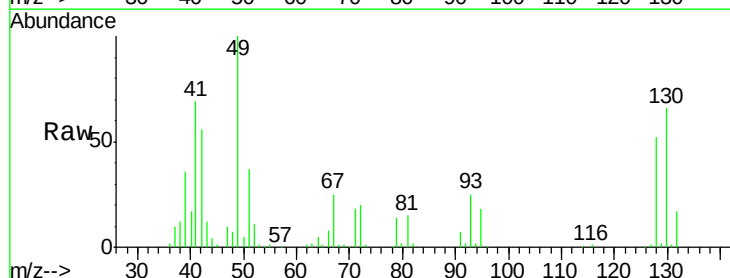
RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

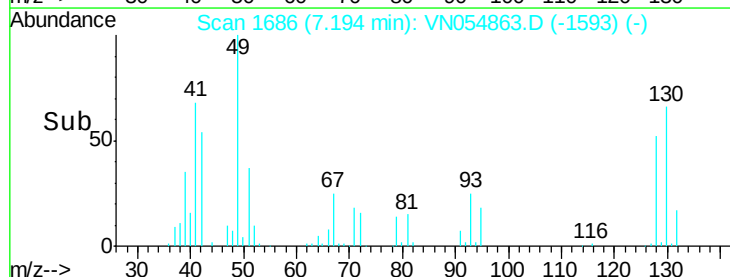
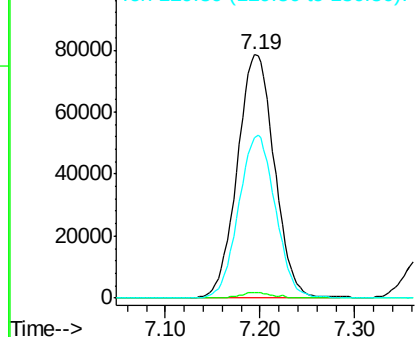
Lab File: VN054863.D

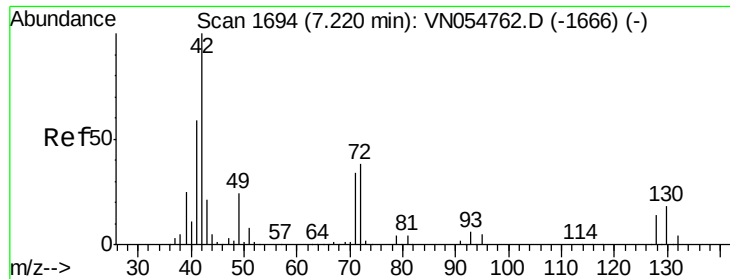
Acq: 31 Mar 2019 20:50

Tgt Ion:	49	Resp:	214130
Ion Ratio	Lower	Upper	
49	100		
129	2.0	0.0	4.6
130	66.2	76.7	115.1#



Abundance Ion 48.90 (48.60 to 49.60): VNC
Ion 128.80 (128.50 to 129.50): VNC
Ion 129.80 (129.50 to 130.50): VNC





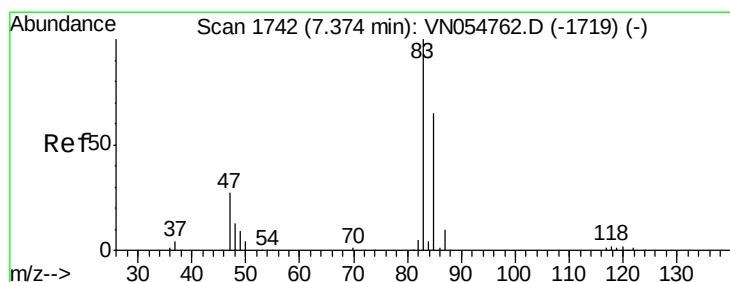
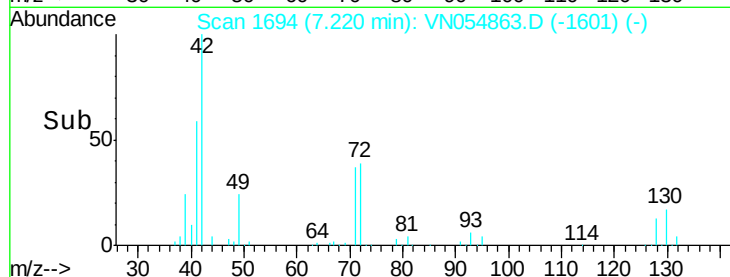
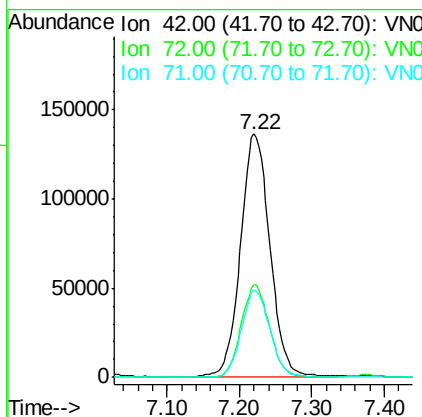
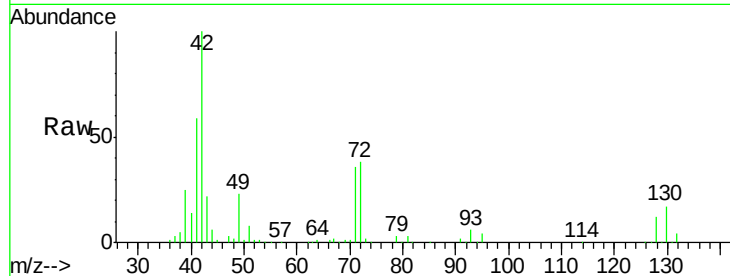
#29
Tetrahydrofuran
Concen: 283.476 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.00 min
Lab File: VN054863.D
Acq: 31 Mar 2019 20:50

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
42	100		
72	36.8	37.8	56.6#
71	34.8	36.2	54.2#

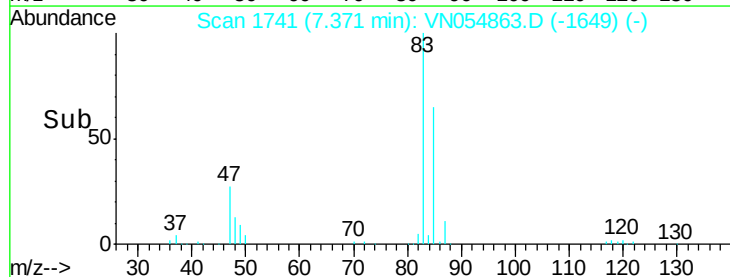
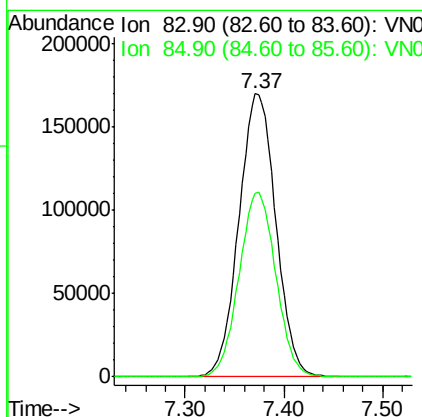
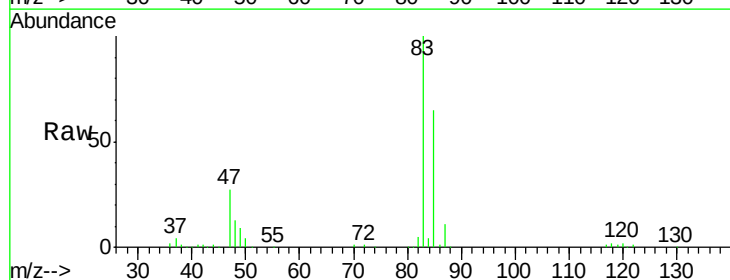
Manual Integrations
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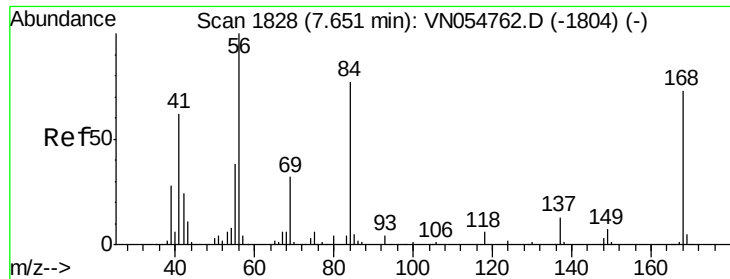
MMDadoda
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#30
Chloroform
Concen: 55.112 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN054863.D
Acq: 31 Mar 2019 20:50

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	52.2	78.4





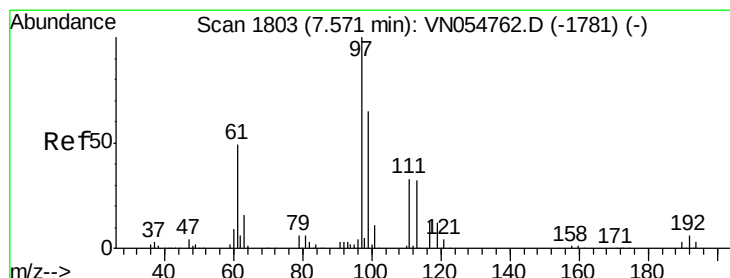
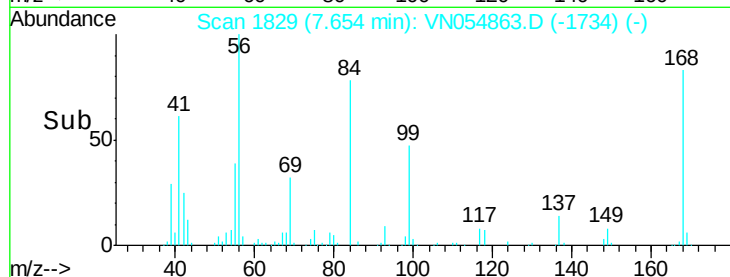
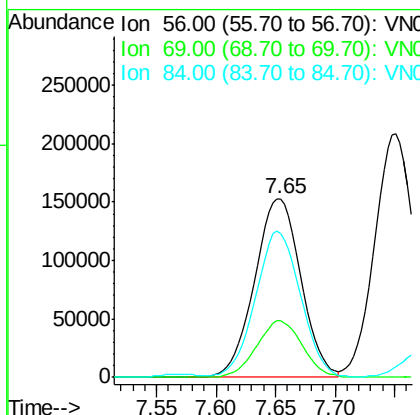
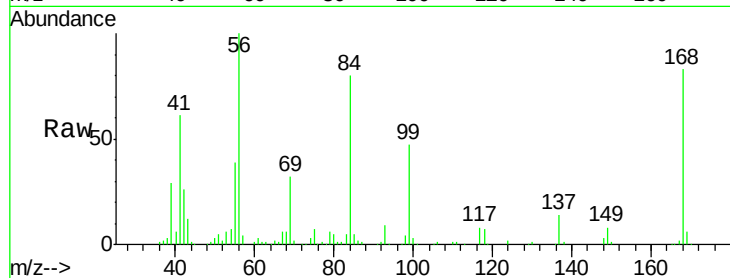
#31
Cyclohexane
Concen: 54.036 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN054863.D
Acq: 31 Mar 2019 20:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
56	100		
69	31.6	27.8	41.6
84	79.0	74.6	111.8

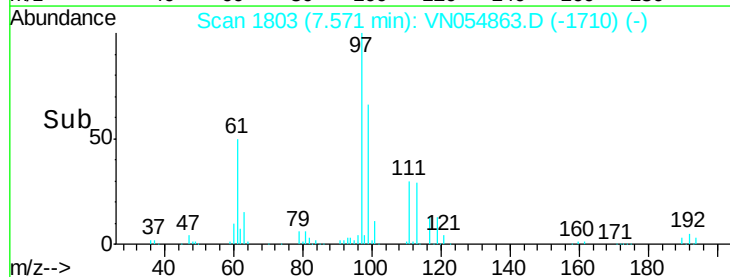
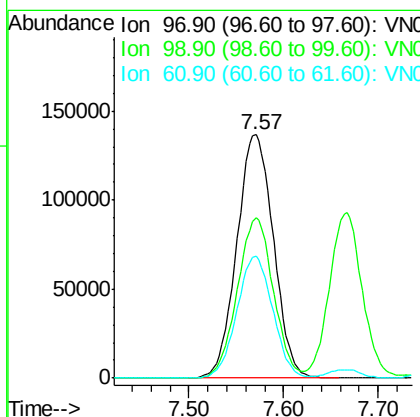
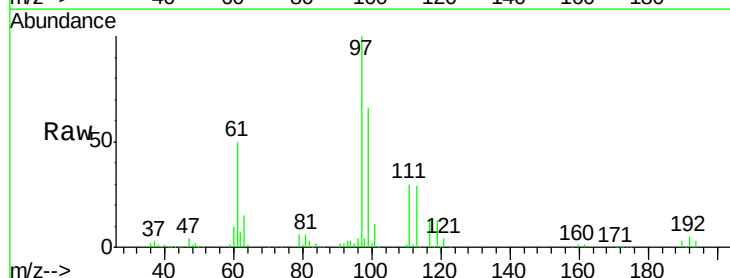
Manual Integrations
APPROVED

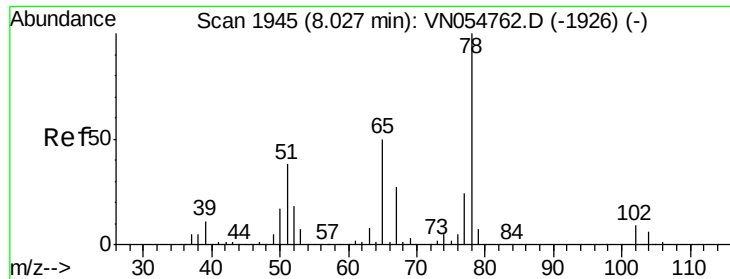
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#32
1,1,1-Trichloroethane
Concen: 55.475 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN054863.D
Acq: 31 Mar 2019 20:50

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.5	77.3
61	49.2	33.6	50.4





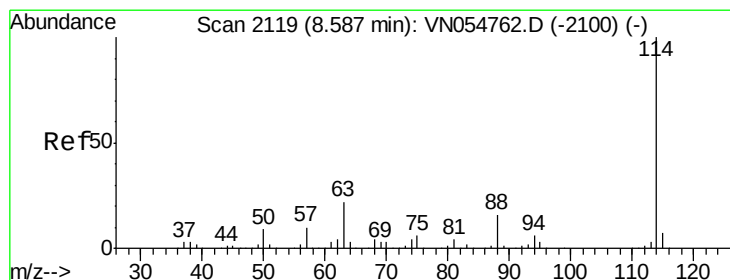
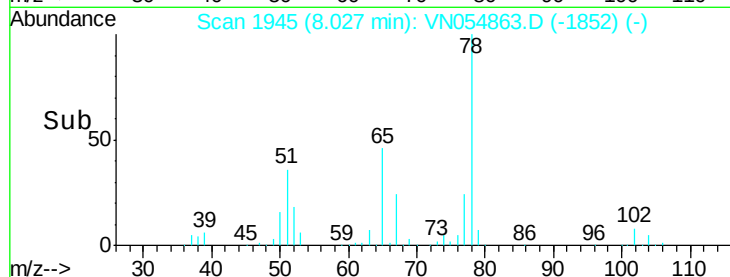
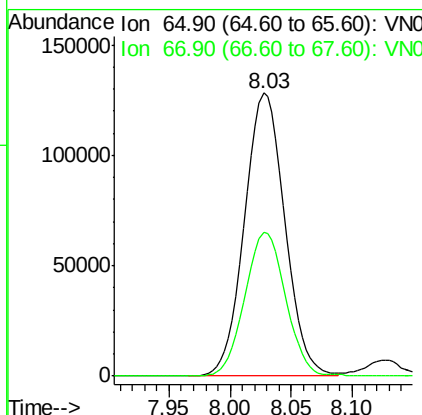
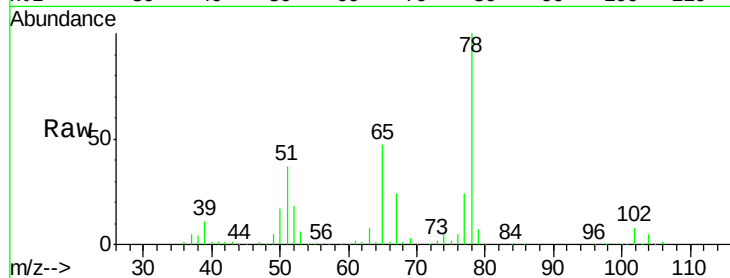
#33
 1,2-Dichloroethane-d4
 Concen: 53.032 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN054863.D
 Acq: 31 Mar 2019 20:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	293616		
67	51.4	0.0	104.6	

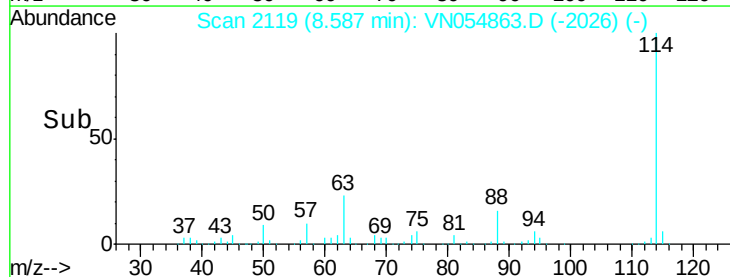
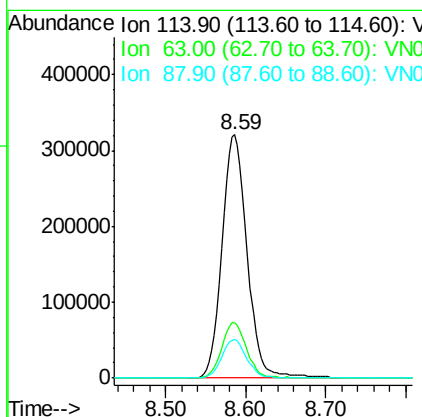
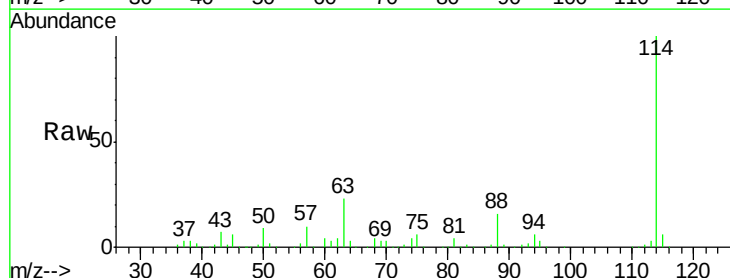
Manual Integrations
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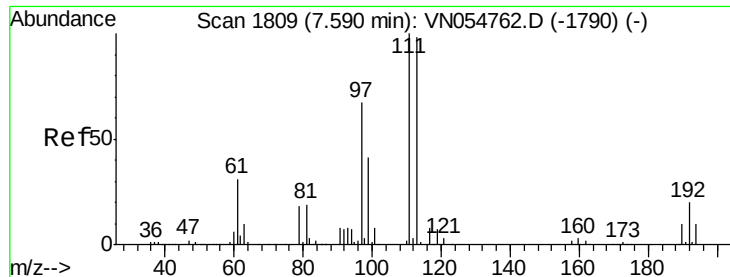
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054863.D
 Acq: 31 Mar 2019 20:50

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	692921		
63	22.8	0.0	35.2	
88	15.9	0.0	30.2	





#35

Dibromofluoromethane

Concen: 49.802 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN054863.D

Acq: 31 Mar 2019 20:50

Instrument :

MSVOA_N

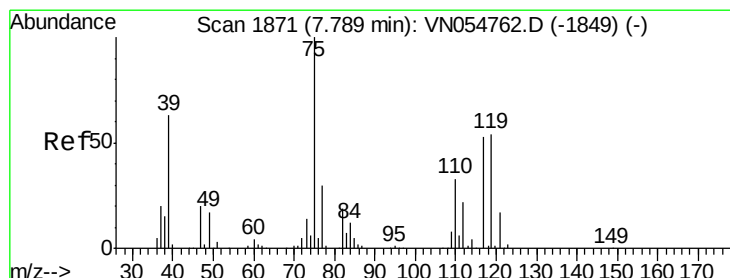
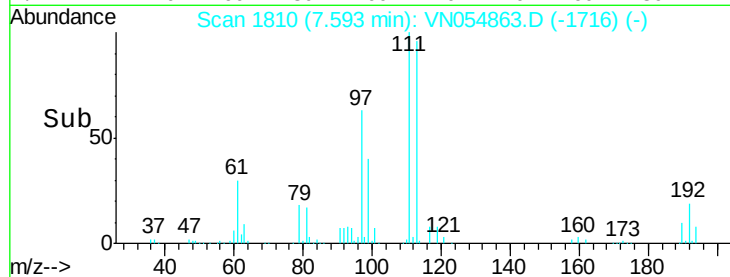
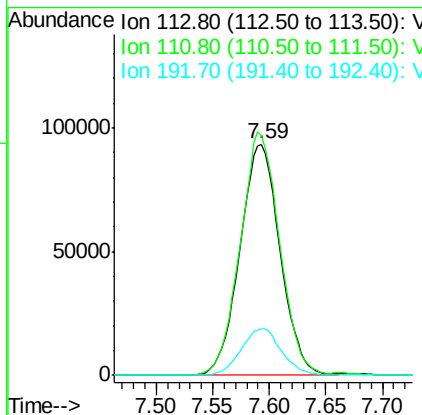
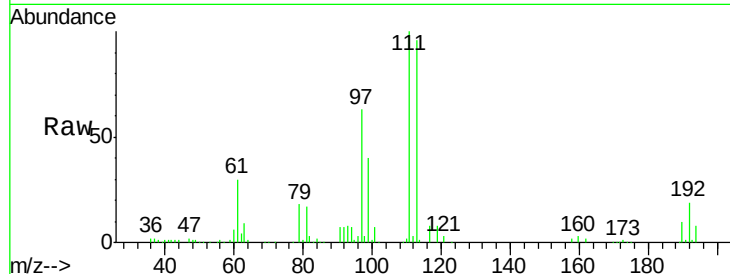
ClientSampled :

VSTDCCC050EC

Tgt Ion:	113	Resp:	230066
Ion Ratio	Lower	Upper	
113	100		
111	103.5	82.2	123.4
192	20.3	19.2	28.8

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 51.514 ug/l

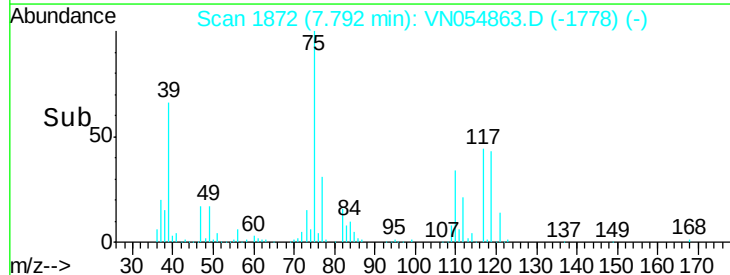
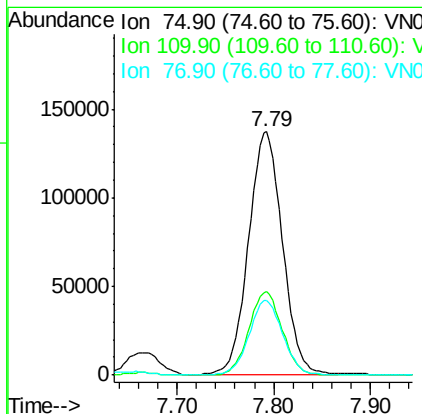
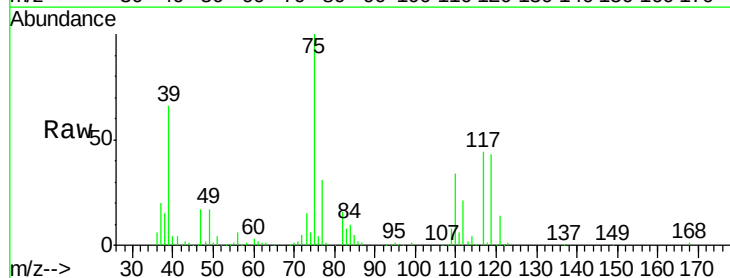
RT: 7.79 min Scan# 1872

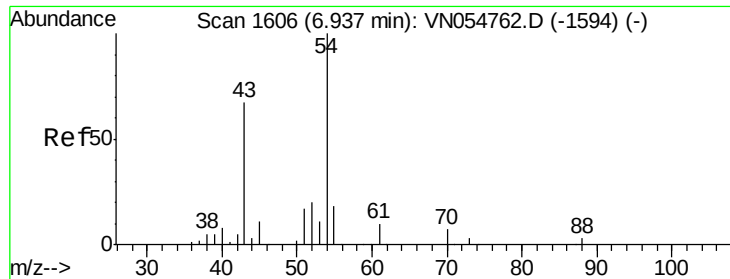
Delta R.T. 0.00 min

Lab File: VN054863.D

Acq: 31 Mar 2019 20:50

Tgt Ion:	75	Resp:	332610
Ion Ratio	Lower	Upper	
75	100		
110	33.7	19.1	57.5
77	30.9	25.0	37.4





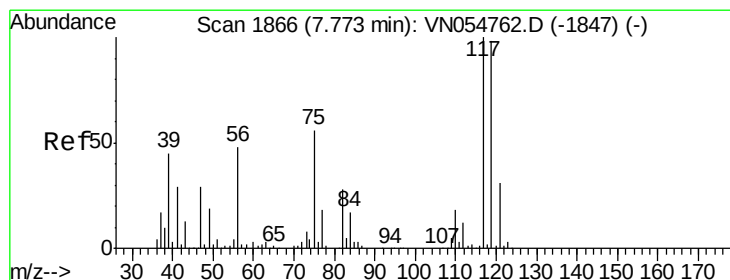
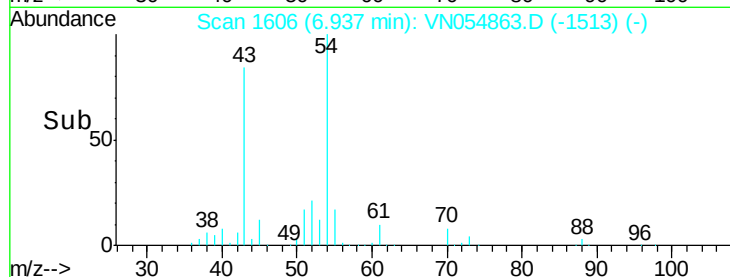
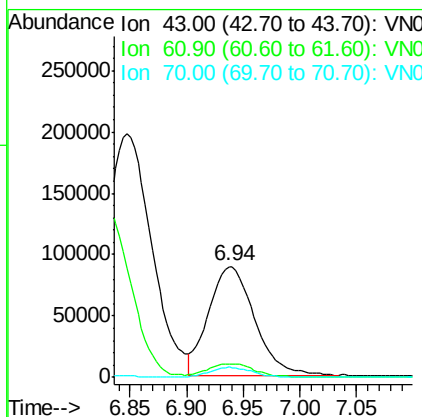
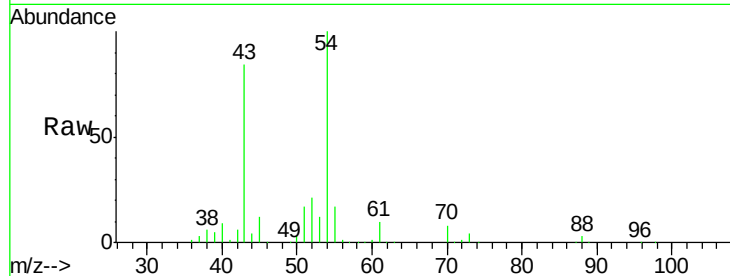
#37
Ethyl Acetate
 Concen: 53.263 ug/l
 RT: 6.94 min Scan# 1606
 Delta R.T. 0.00 min
 Lab File: VN054863.D
 Acq: 31 Mar 2019 20:50

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
43	100		
61	12.5	11.8	17.6
70	8.7	8.4	12.6

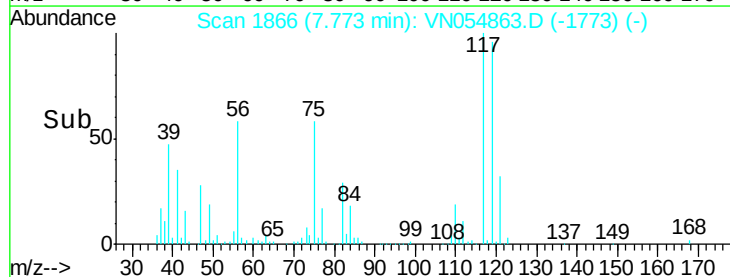
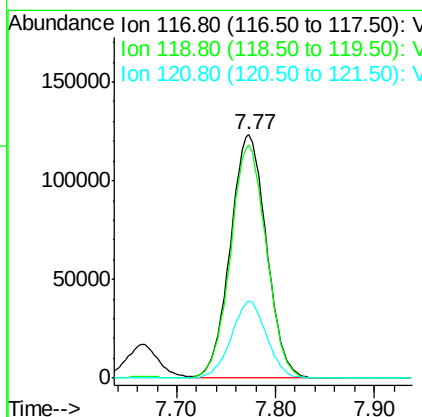
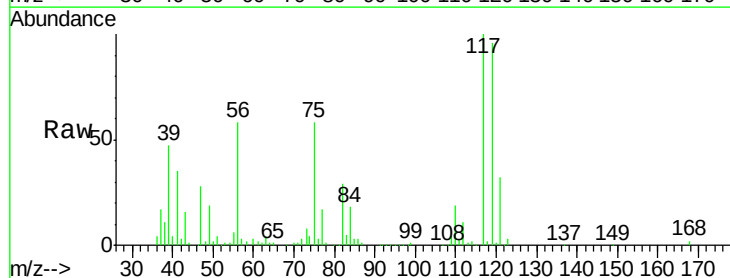
Manual Integrations
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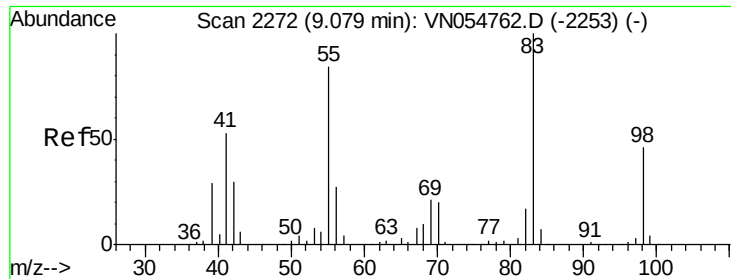
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#38
Carbon Tetrachloride
 Concen: 50.092 ug/l
 RT: 7.77 min Scan# 1866
 Delta R.T. 0.00 min
 Lab File: VN054863.D
 Acq: 31 Mar 2019 20:50

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.8	76.3	114.5
121	31.8	24.6	36.8





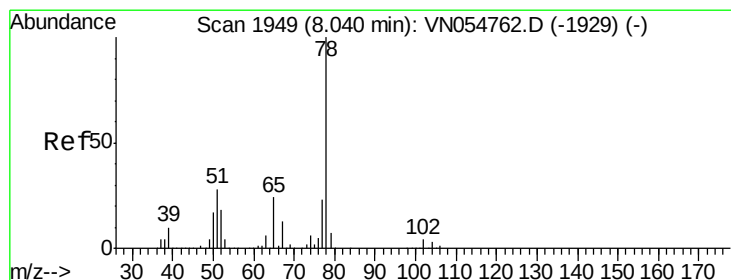
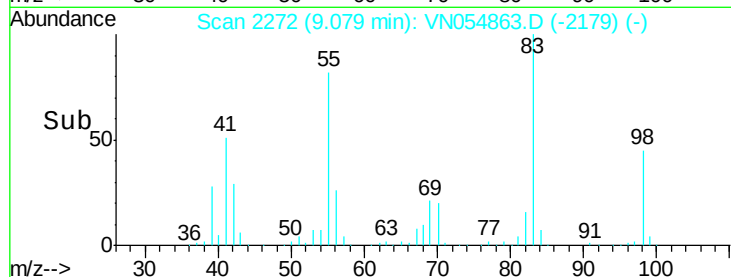
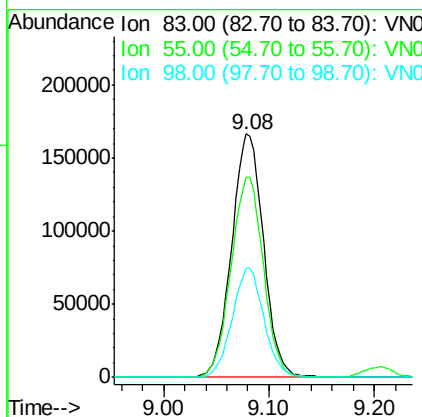
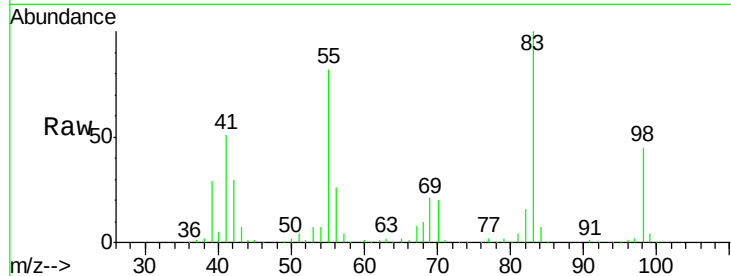
#39
Methylcyclohexane
Concen: 49.092 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN054863.D
Acq: 31 Mar 2019 20:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
83	100		
55	82.3	56.6	84.8
98	44.8	38.4	57.6

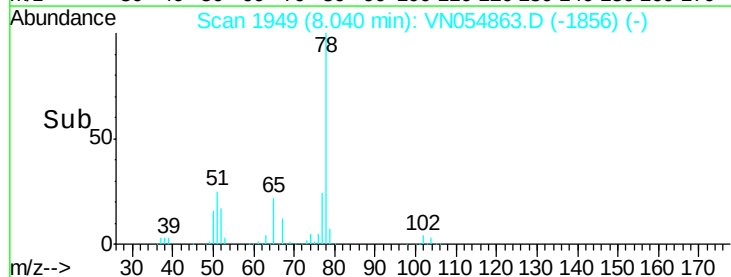
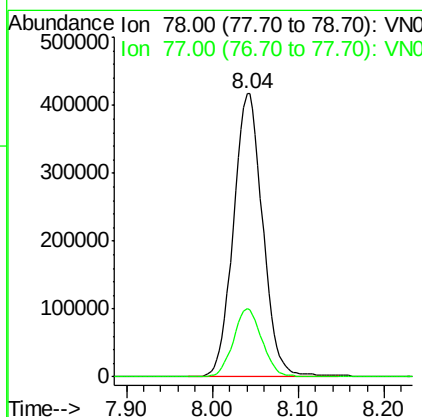
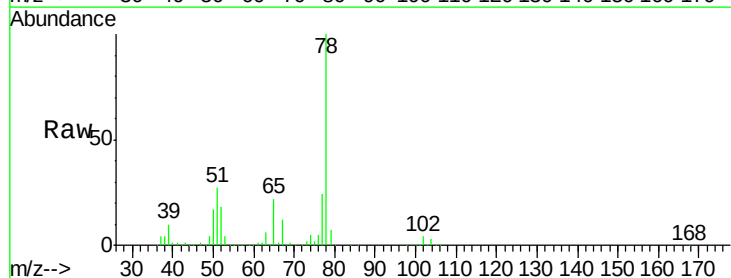
Manual Integrations
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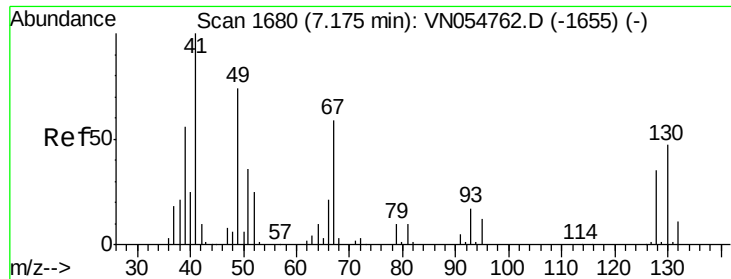
MMDadoda
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#40
Benzene
Concen: 53.446 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN054863.D
Acq: 31 Mar 2019 20:50

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.1	28.7





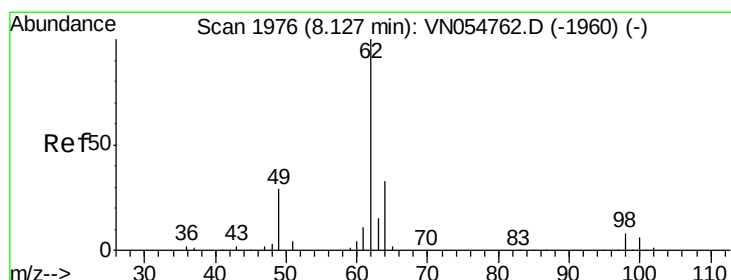
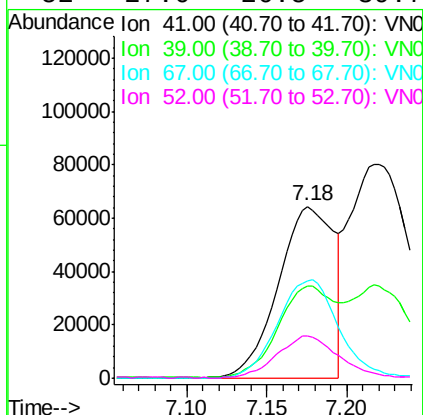
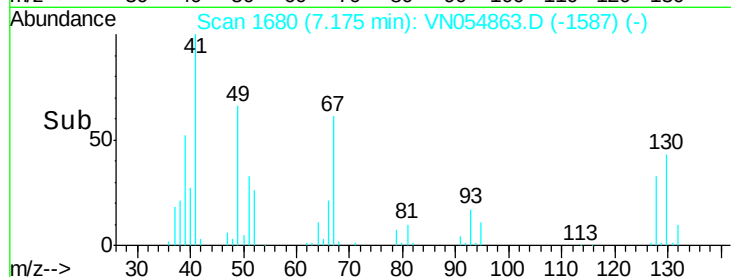
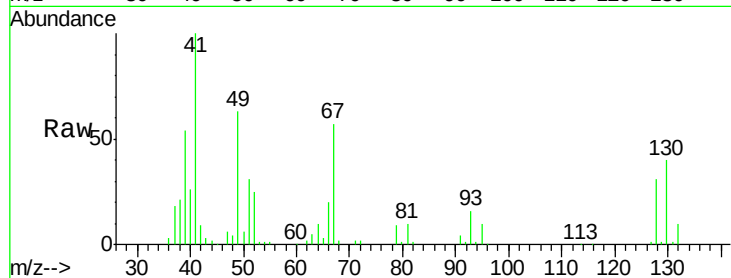
#41
Methacrylonitrile
Concen: 58.322 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN054863.D
Acq: 31 Mar 2019 20:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.2	46.8	70.2	
67	64.4	67.0	100.4	
52	27.0	26.5	39.7	

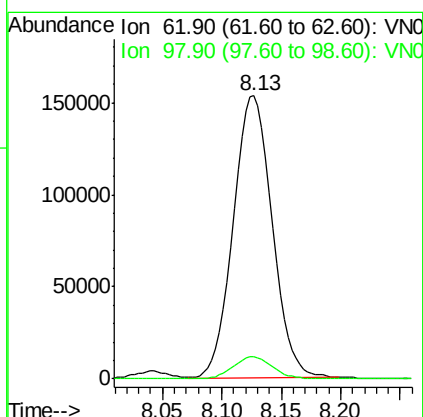
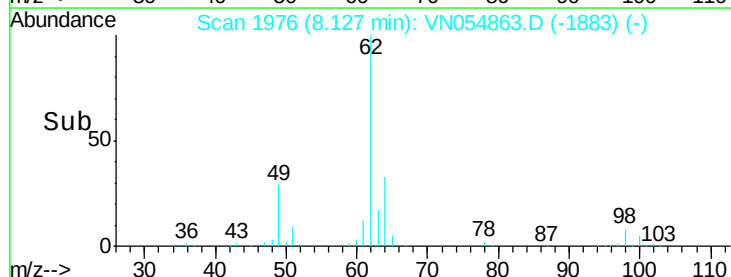
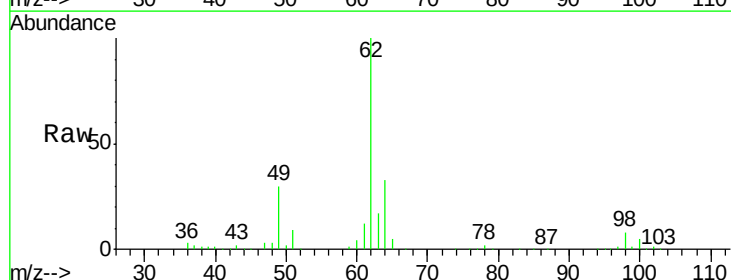
Manual Integrations
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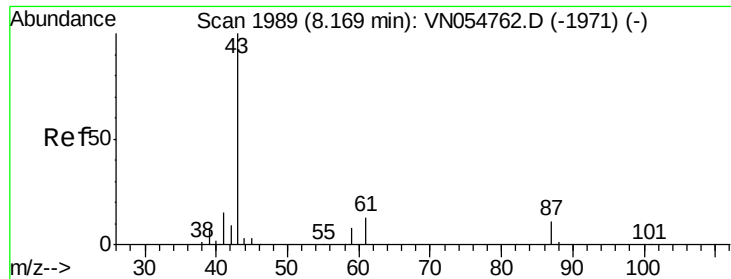
MMDadoda
4/1/2019 12:50:18 PM



#42
1,2-Dichloroethane
Concen: 52.776 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN054863.D
Acq: 31 Mar 2019 20:50

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.0	0.0	18.4	





#43

Isopropyl Acetate

Concen: 58.088 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN054863.D

Acq: 31 Mar 2019 20:50

Instrument :

MSVOA_N

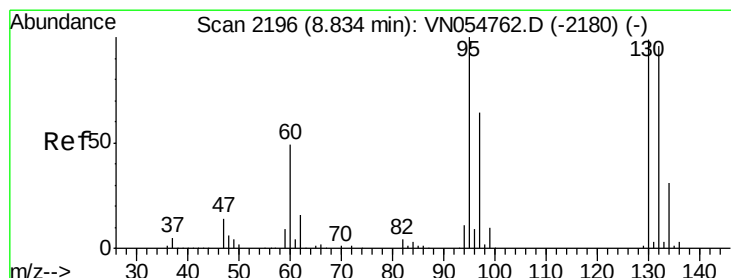
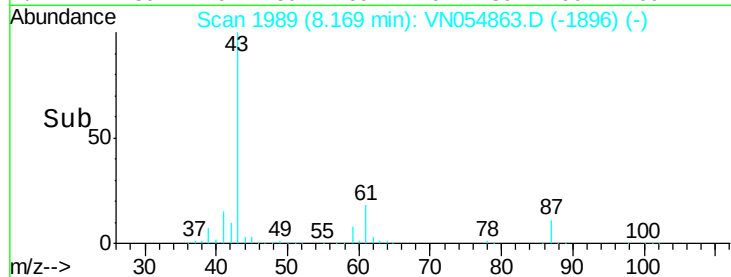
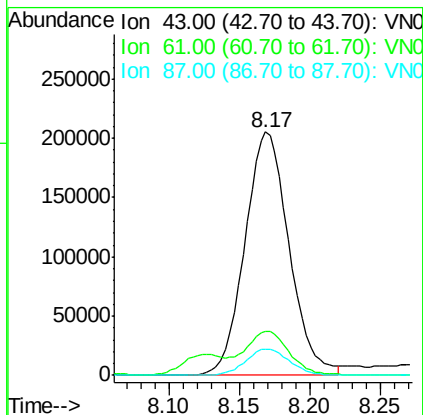
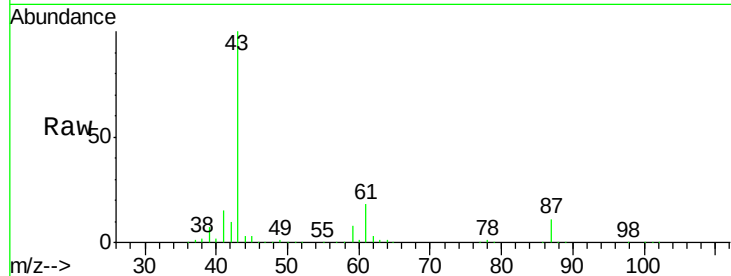
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	43	Resp:	446894
Ion Ratio	Lower	Upper	
43	100		
61	17.1	15.8	23.8
87	10.8	12.0	18.0#

Manual Integrations
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4/1/2019 12:50:18 PM



#44

Trichloroethene

Concen: 52.374 ug/l

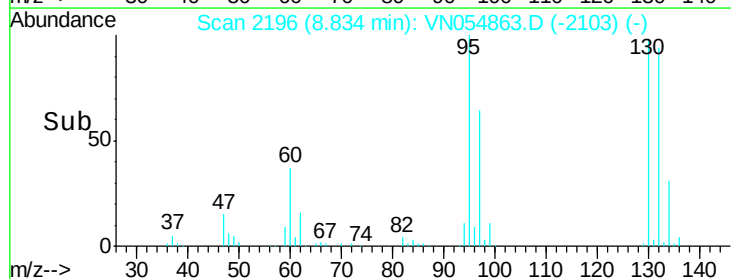
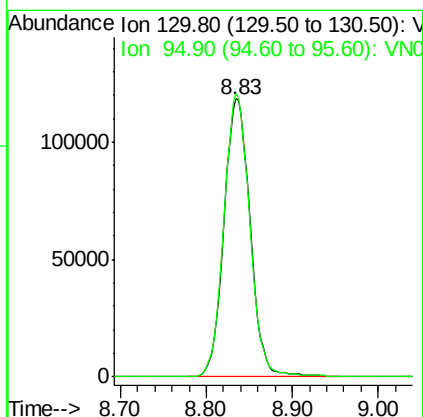
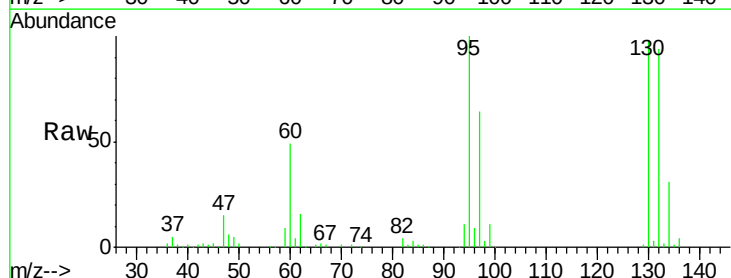
RT: 8.83 min Scan# 2196

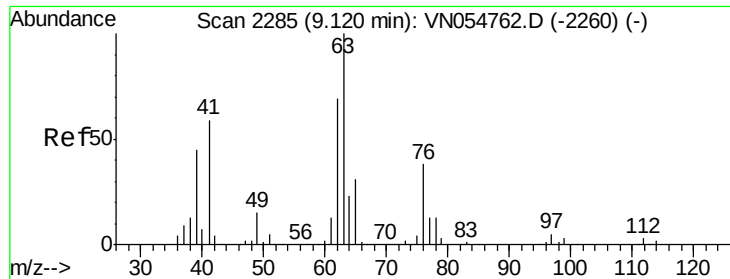
Delta R.T. 0.00 min

Lab File: VN054863.D

Acq: 31 Mar 2019 20:50

Tgt Ion:	130	Resp:	251180
Ion Ratio	Lower	Upper	
130	100		
95	101.9	0.0	185.2





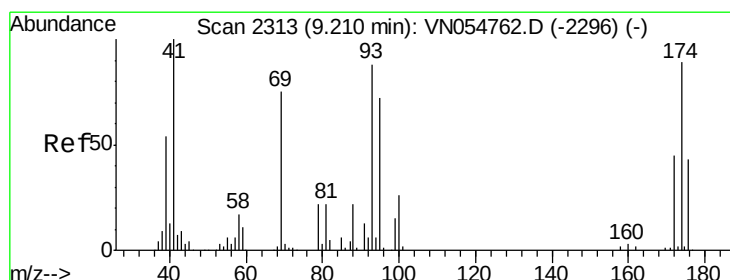
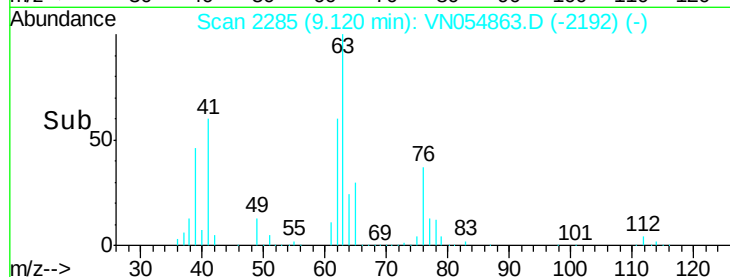
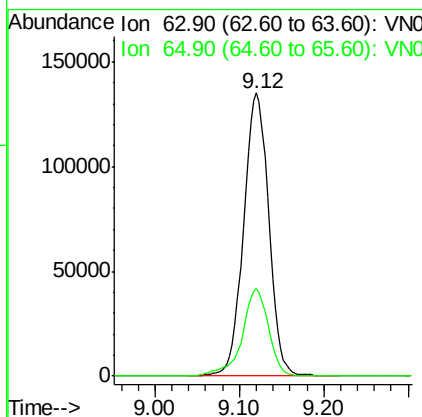
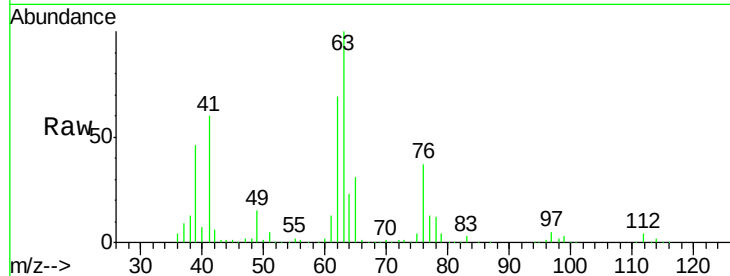
#45
 1,2-Dichloropropane
 Concen: 53.440 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN054863.D
 Acq: 31 Mar 2019 20:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 63 Resp: 281520
 Ion Ratio Lower Upper
 63 100
 65 31.0 25.0 37.6

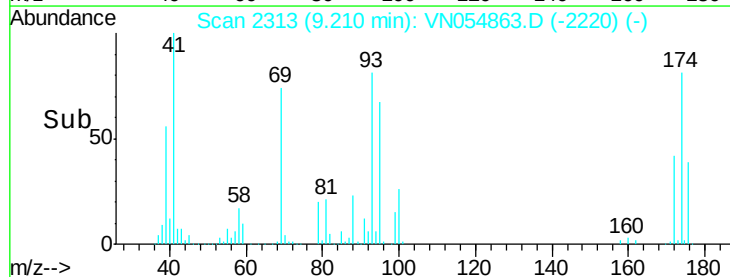
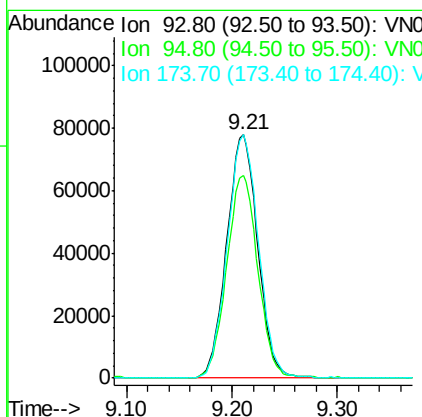
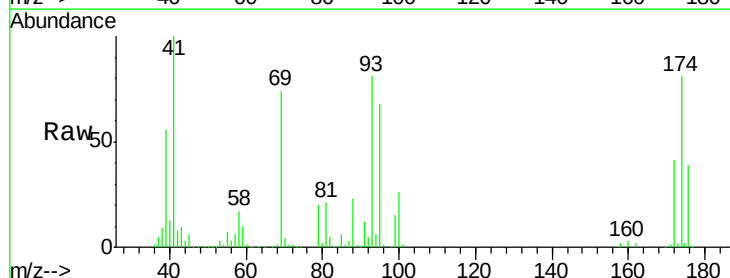
Manual Integrations
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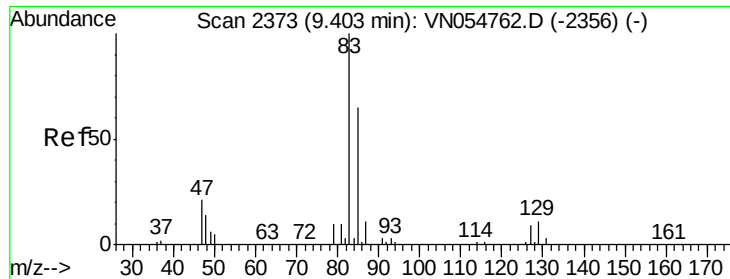
MMDadoda
 4/1/2019 12:50:18 PM



#46
 Dibromomethane
 Concen: 53.586 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN054863.D
 Acq: 31 Mar 2019 20:50

Tgt Ion: 93 Resp: 158801
 Ion Ratio Lower Upper
 93 100
 95 83.8 66.7 100.1
 174 100.4 98.5 147.7





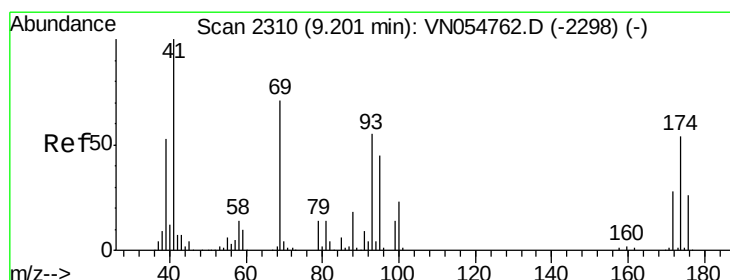
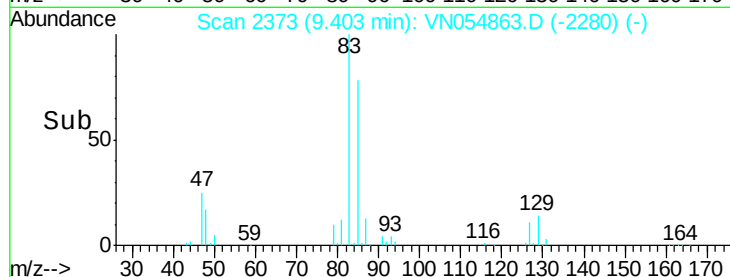
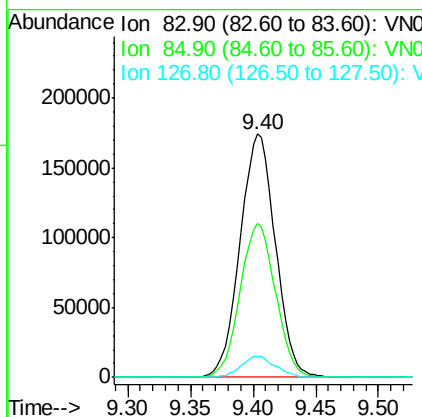
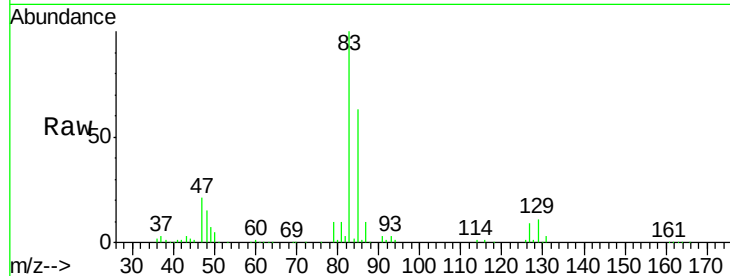
#47
Bromodichloromethane
Concen: 55.527 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN054863.D
Acq: 31 Mar 2019 20:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	341986		
85	63.1	52.8	79.2	
127	8.8	7.4	11.2	

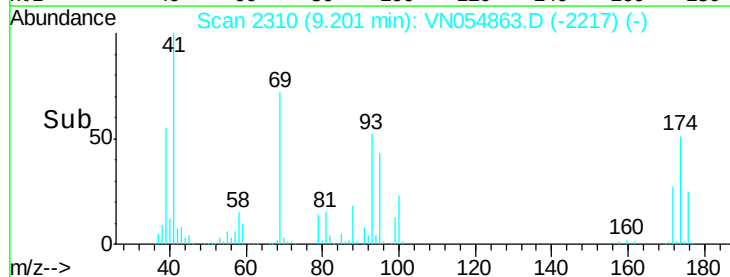
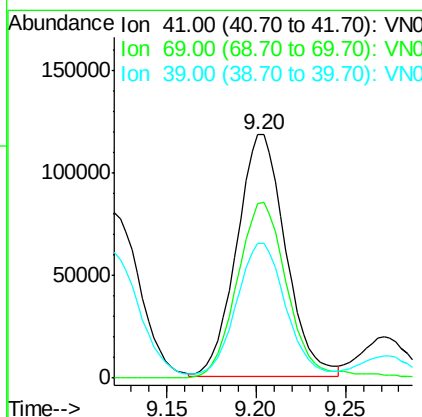
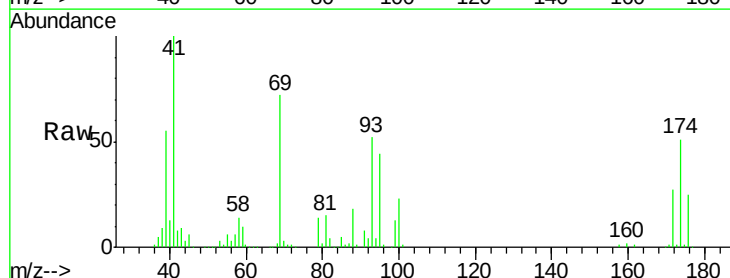
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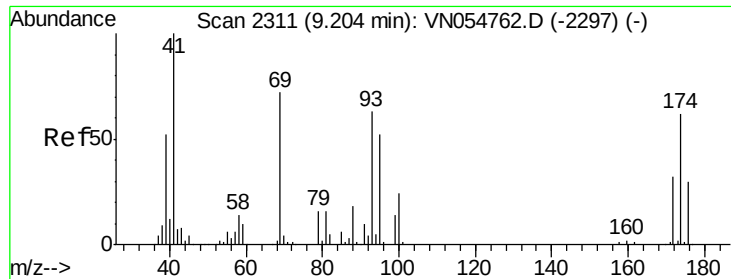
MMDadoda
4/1/2019 12:50:18 PM



#48
Methyl methacrylate
Concen: 54.148 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN054863.D
Acq: 31 Mar 2019 20:50

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	225820		
69	75.3	72.6	108.8	
39	55.7	47.5	71.3	





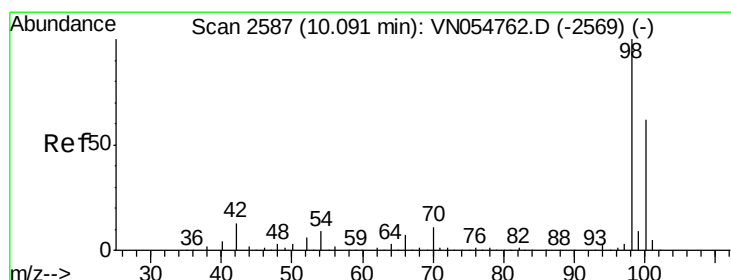
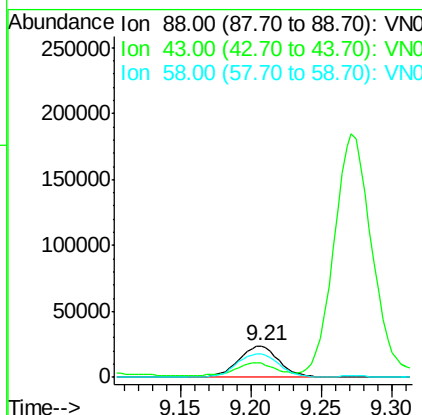
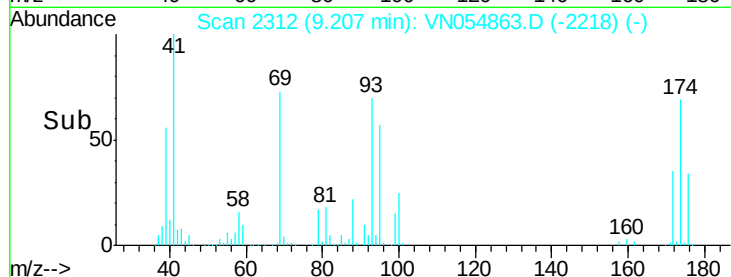
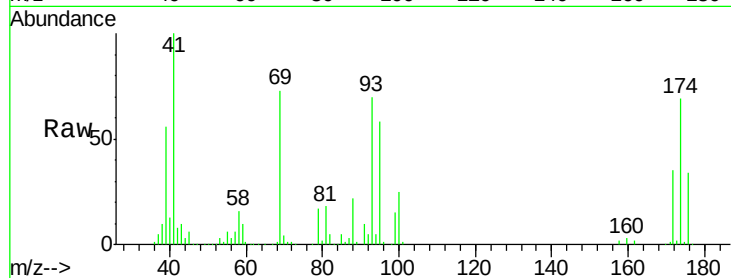
#49
1,4-Dioxane
Concen: 1161.116 ug/l
RT: 9.21 min Scan# 2312
Delta R.T. 0.00 min
Lab File: VN054863.D
Acq: 31 Mar 2019 20:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 88 Resp: 48047
Ion Ratio Lower Upper
88 100
43 39.5 24.1 36.1#
58 77.6 50.8 76.2#

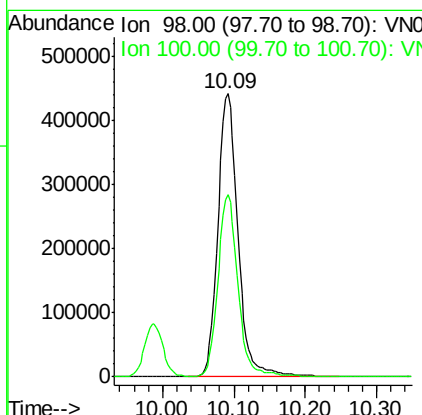
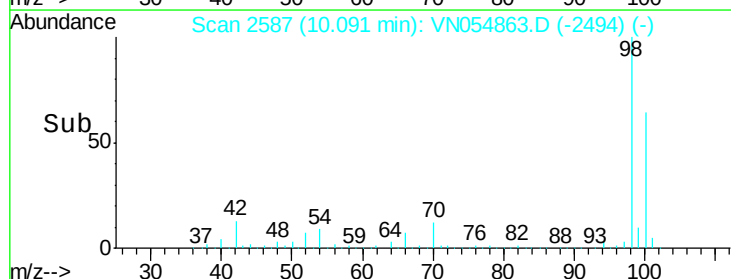
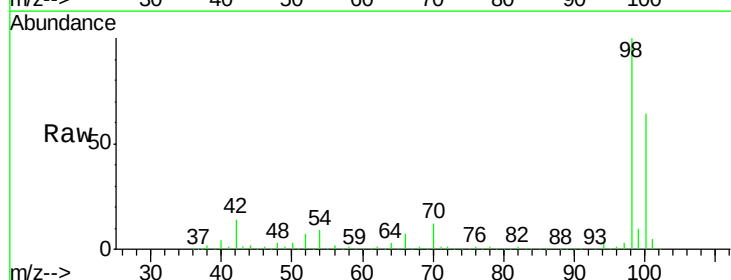
Manual Integrations
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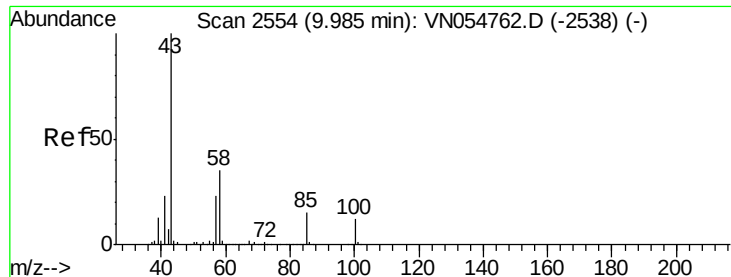
MMDadoda
4/1/2019 12:50:18 PM



#50
Toluene-d8
Concen: 50.608 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN054863.D
Acq: 31 Mar 2019 20:50

Tgt Ion: 98 Resp: 869188
Ion Ratio Lower Upper
98 100
100 63.4 51.2 76.8





#51

4-Methyl-2-Pentanone

Concen: 290.093 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN054863.D

Acq: 31 Mar 2019 20:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 1254785

Ion Ratio Lower Upper

43 100

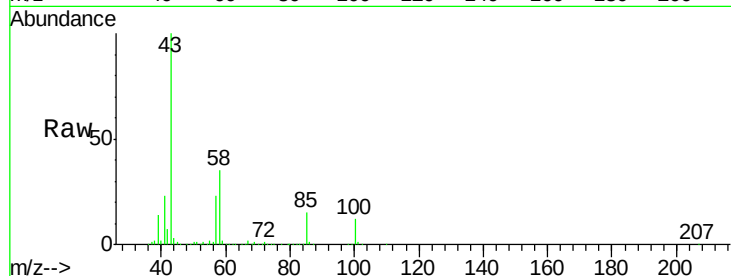
58 35.6 31.8 47.6

Manual Integrations

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MMDadoda

4/1/2019 12:50:18 PM



Abundance Ion 43.00 (42.70 to 43.70): VN054762.D (-2538) (-)

Ion 58.00 (57.70 to 58.70): VN054762.D (-2538) (-)

9.99

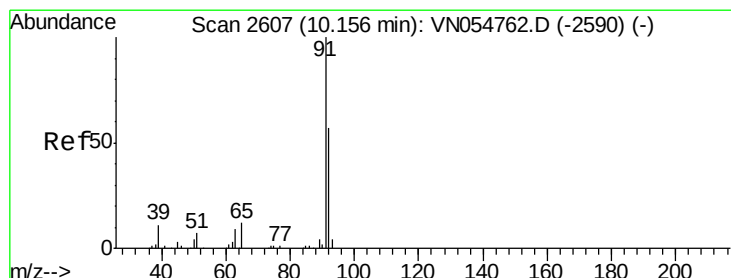
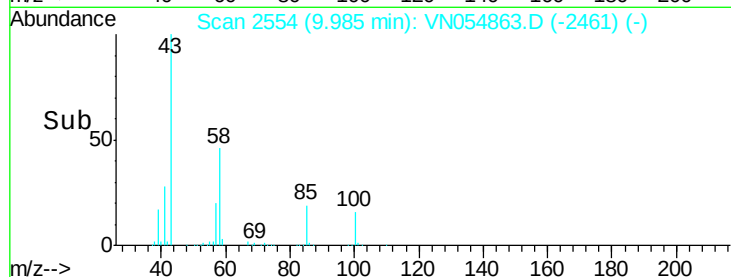
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 53.801 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN054863.D

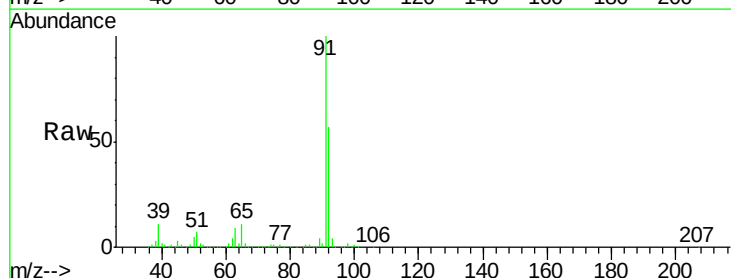
Acq: 31 Mar 2019 20:50

Tgt Ion: 92 Resp: 591458

Ion Ratio Lower Upper

92 100

91 174.4 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VN054762.D (-2590) (-)

Ion 91.00 (90.70 to 91.70): VN054762.D (-2590) (-)

10.16

600000

500000

400000

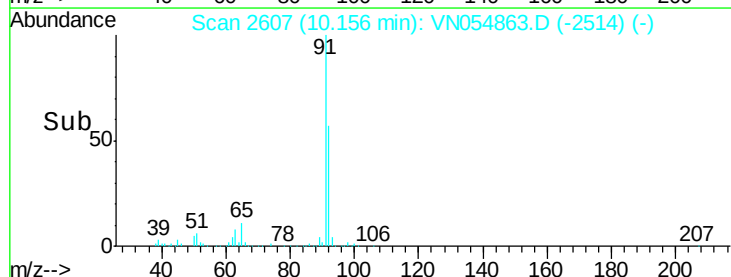
300000

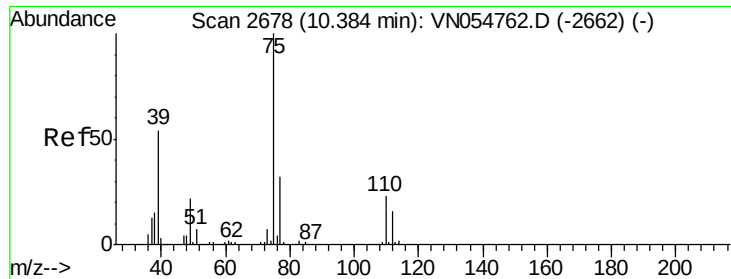
200000

100000

0

Time-->





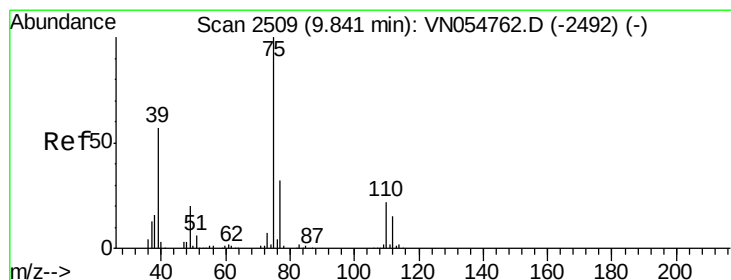
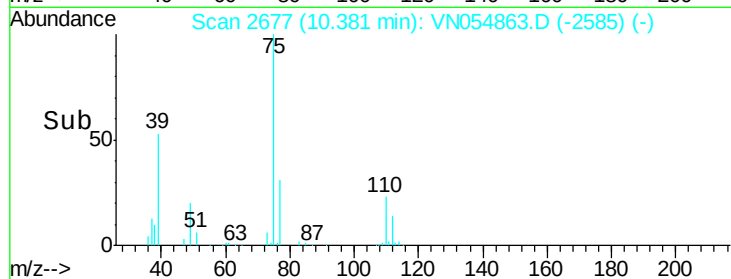
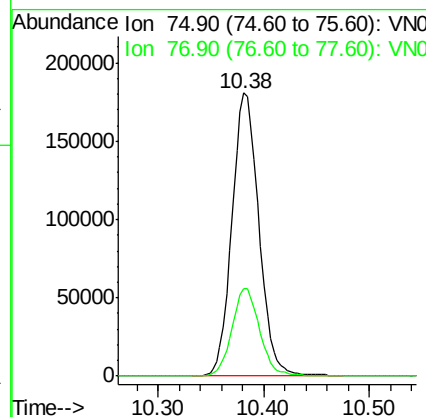
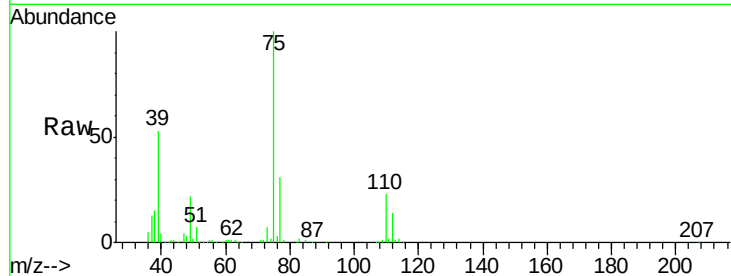
#53
t-1,3-Dichloropropene
Concen: 55.221 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN054863.D
Acq: 31 Mar 2019 20:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 319924
Ion Ratio Lower Upper
75 100
77 30.5 25.8 38.8

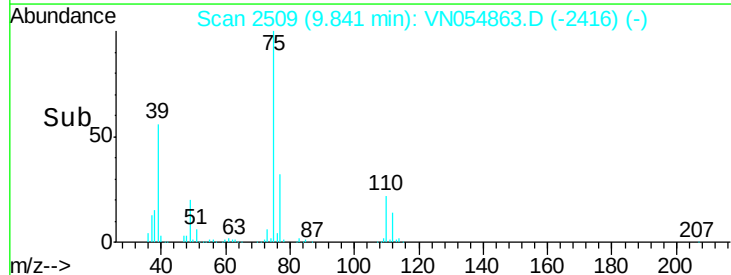
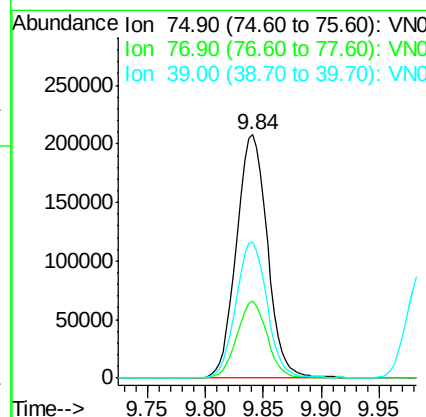
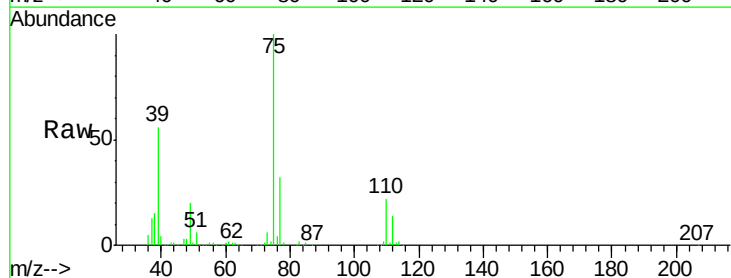
Manual Integrations
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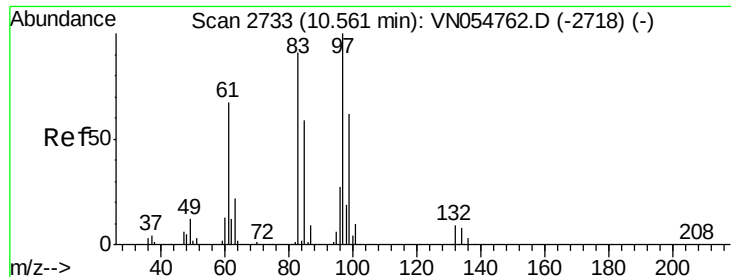
MMDadoda
4/1/2019 12:50:18 PM



#54
cis-1,3-Dichloropropene
Concen: 55.608 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN054863.D
Acq: 31 Mar 2019 20:50

Tgt Ion: 75 Resp: 384845
Ion Ratio Lower Upper
75 100
77 31.6 25.4 38.0
39 55.8 37.2 55.8





#55

1,1,2-Trichloroethane

Concen: 53.118 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VN054863.D

Acq: 31 Mar 2019 20:50

Instrument :

MSVOA_N

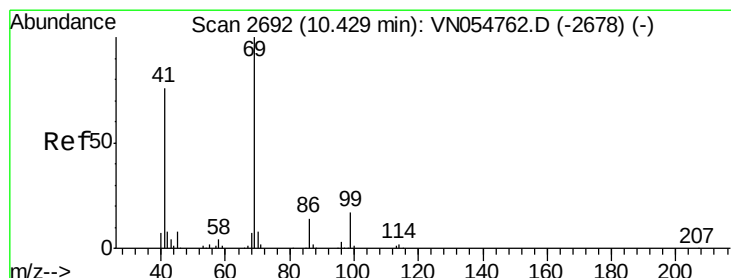
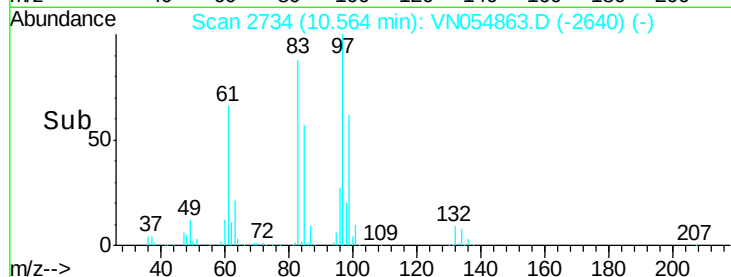
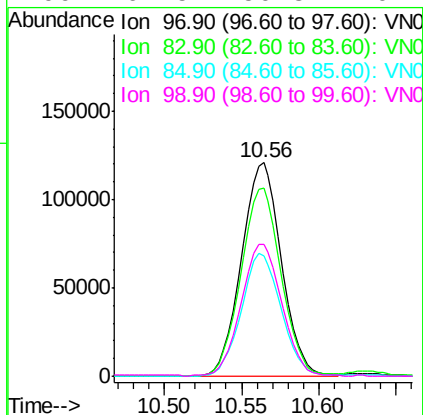
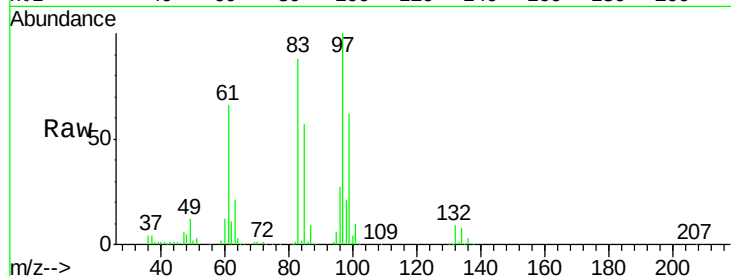
ClientSampled :

VSTDCCC050EC

Tgt Ion:	97	Resp:	217134
Ion	Ratio	Lower	Upper
97	100		
83	88.1	66.6	100.0
85	56.6	44.4	66.6
99	61.5	50.8	76.2

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#56

Ethyl methacrylate

Concen: 57.489 ug/l

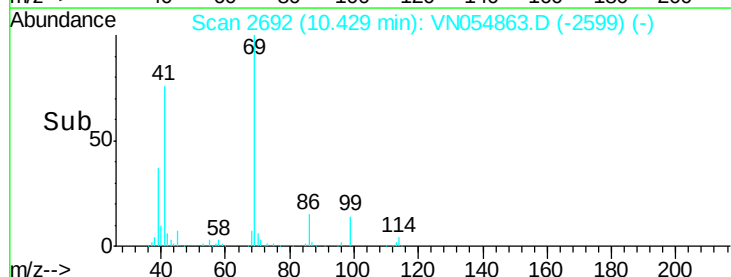
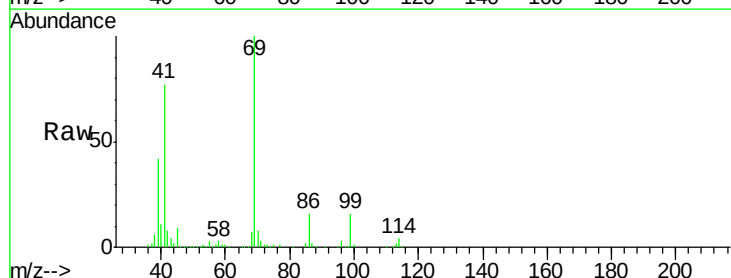
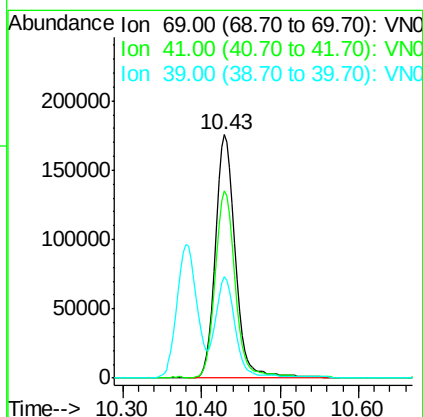
RT: 10.43 min Scan# 2692

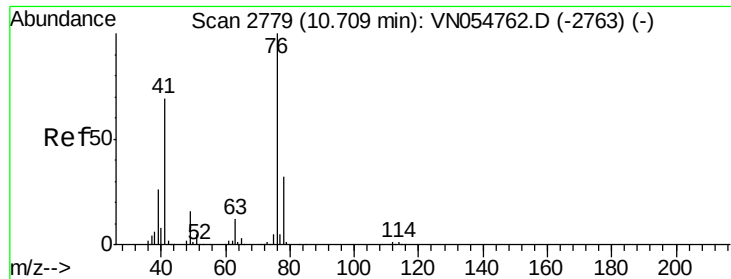
Delta R.T. 0.00 min

Lab File: VN054863.D

Acq: 31 Mar 2019 20:50

Tgt Ion:	69	Resp:	308272
Ion	Ratio	Lower	Upper
69	100		
41	76.5	49.4	74.2#
39	39.1	28.3	42.5





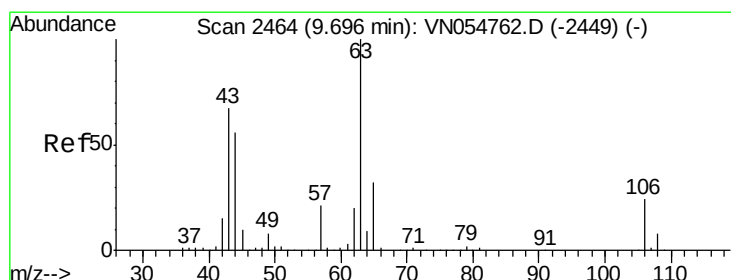
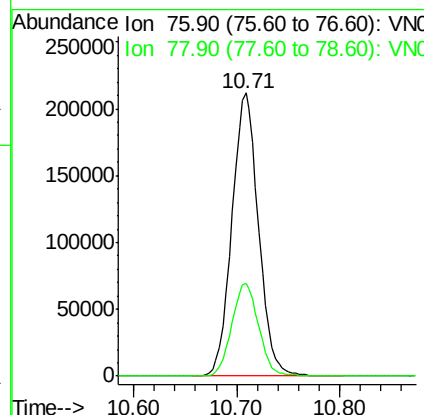
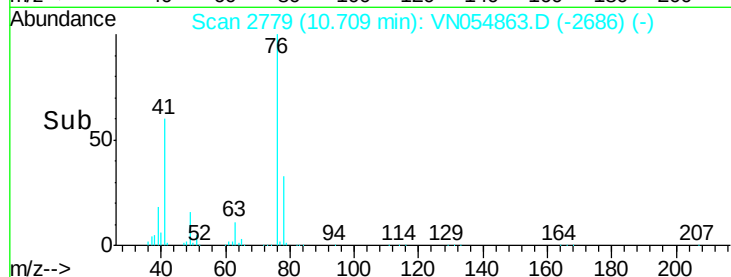
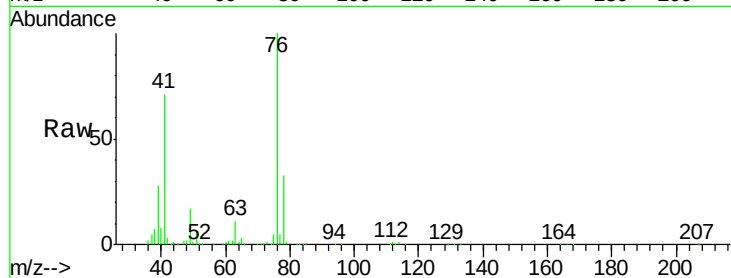
#57
 1,3-Dichloropropane
 Concen: 54.179 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN054863.D
 Acq: 31 Mar 2019 20:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 76 Resp: 380753
 Ion Ratio Lower Upper
 76 100
 78 33.2 25.7 38.5

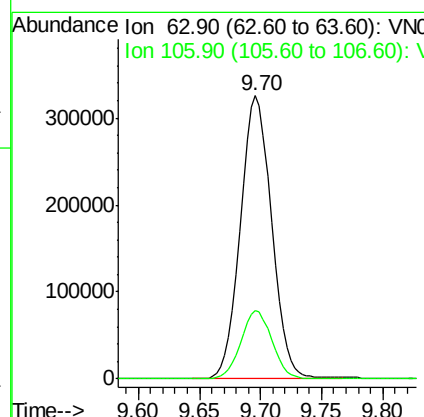
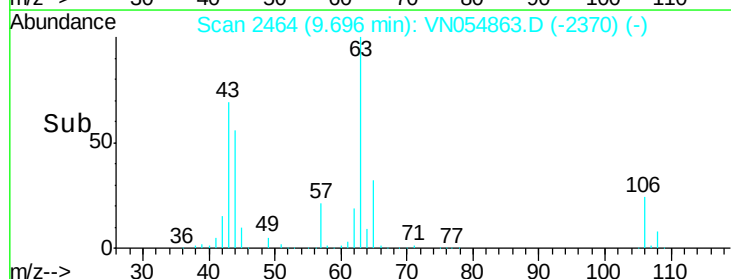
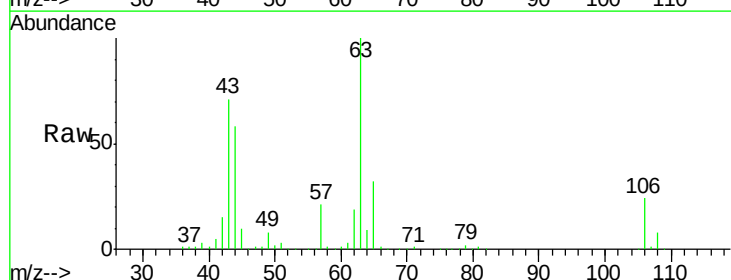
Manual Integrations
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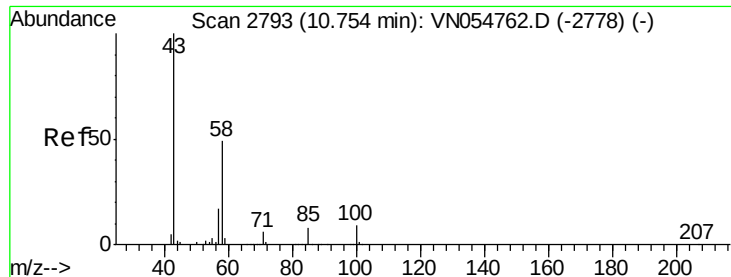
MMDadoda
 4/1/2019 12:50:18 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 250.048 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN054863.D
 Acq: 31 Mar 2019 20:50

Tgt Ion: 63 Resp: 577580
 Ion Ratio Lower Upper
 63 100
 106 24.1 24.4 36.6#





#59

2-Hexanone

Concen: 282.500 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.00 min

Lab File: VN054863.D

Acq: 31 Mar 2019 20:50

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050EC

Tgt Ion: 43 Resp: 782240

Ion Ratio Lower Upper

43 100

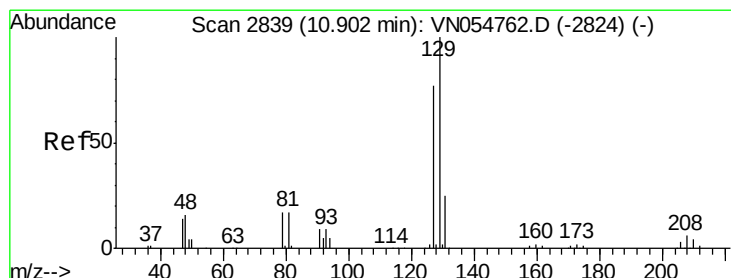
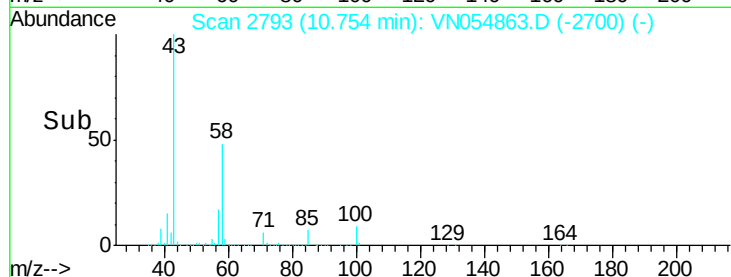
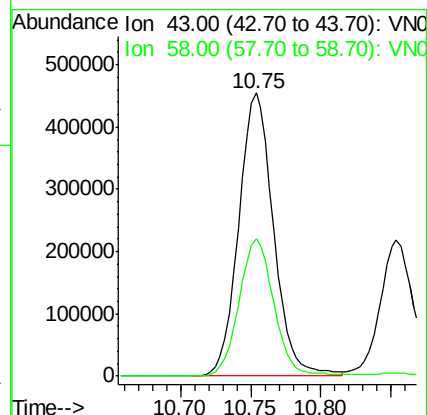
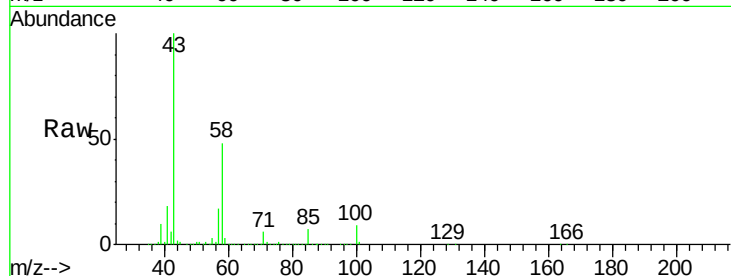
58 49.1 28.0 83.9

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#60

Dibromochloromethane

Concen: 57.645 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN054863.D

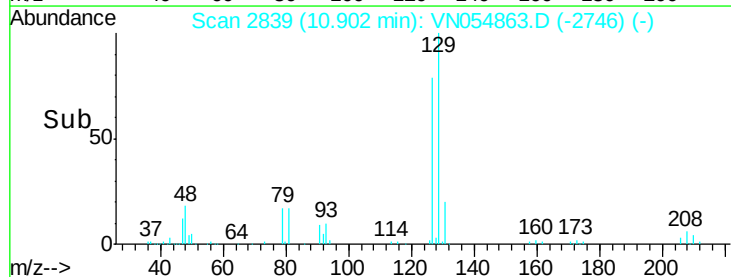
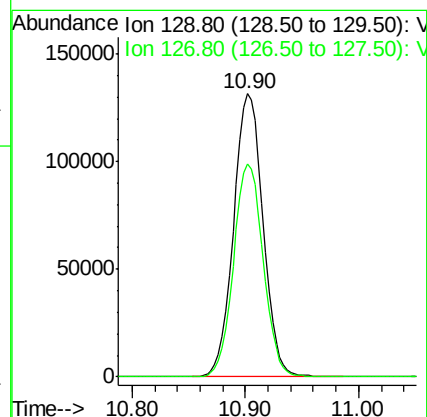
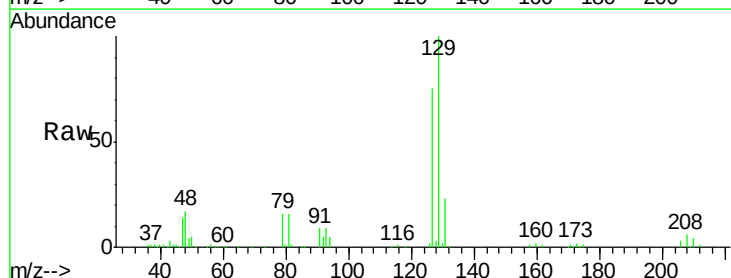
Acq: 31 Mar 2019 20:50

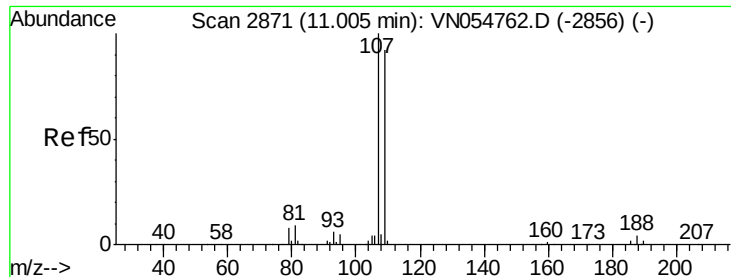
Tgt Ion: 129 Resp: 238695

Ion Ratio Lower Upper

129 100

127 75.8 38.6 115.8





#61

1,2-Dibromoethane

Concen: 55.158 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN054863.D

Acq: 31 Mar 2019 20:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 107 Resp: 215471

Ion Ratio Lower Upper

107 100

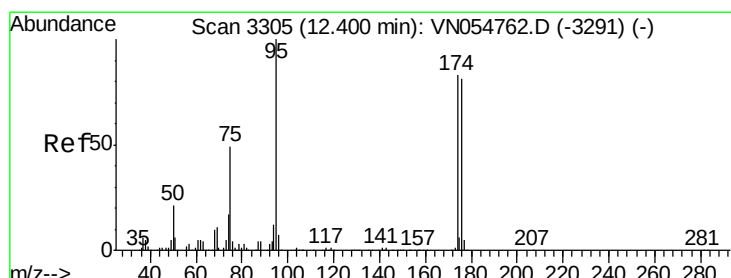
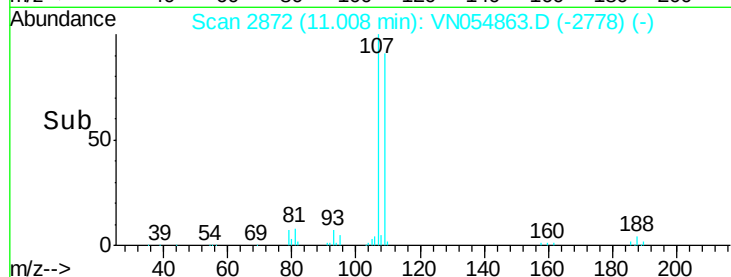
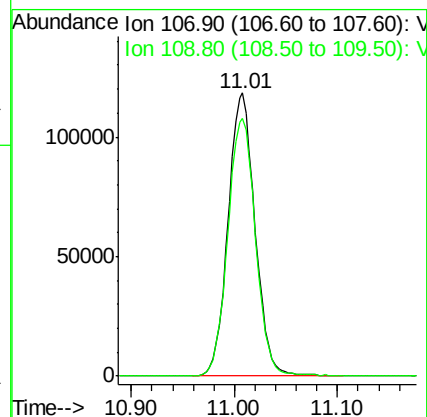
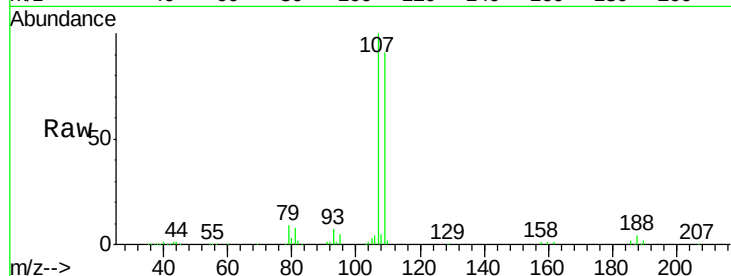
109 93.9 75.9 113.9

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#62

4-Bromofluorobenzene

Concen: 51.579 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN054863.D

Acq: 31 Mar 2019 20:50

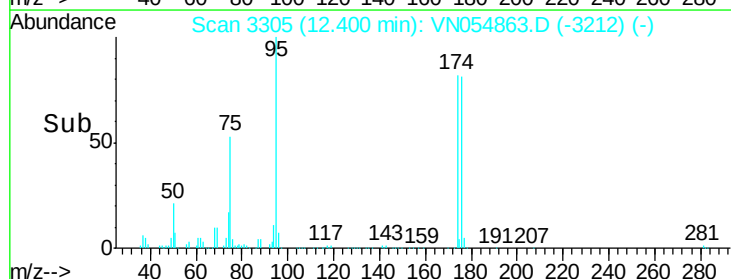
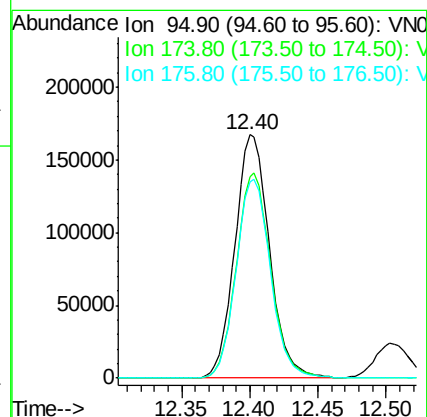
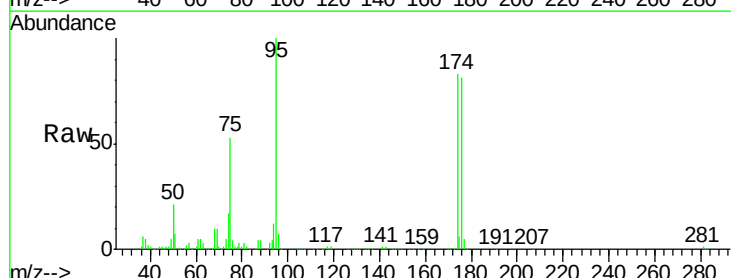
Tgt Ion: 95 Resp: 294618

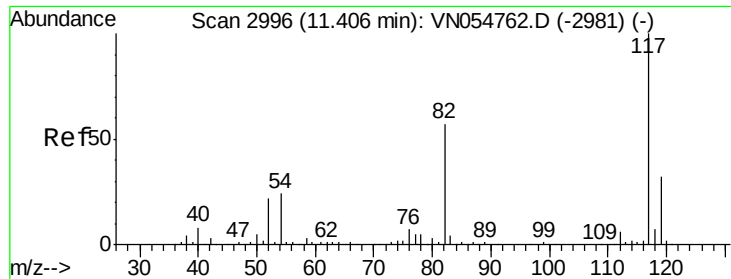
Ion Ratio Lower Upper

95 100

174 83.8 0.0 191.0

176 81.5 0.0 187.4





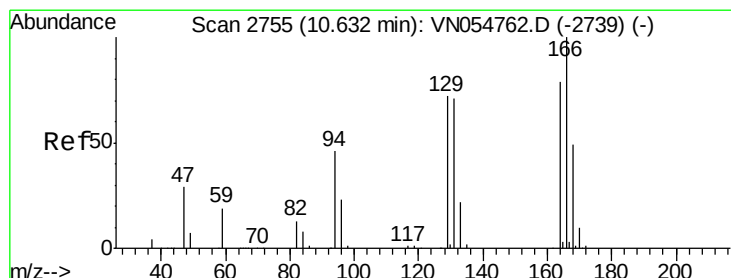
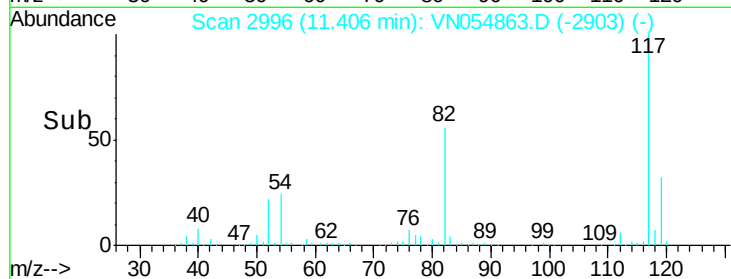
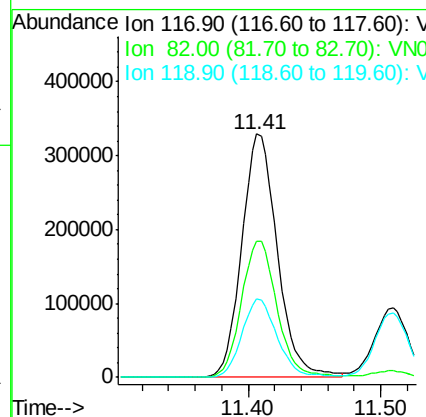
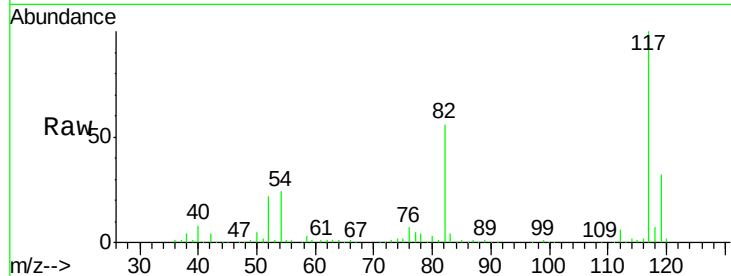
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054863.D
Acq: 31 Mar 2019 20:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
117	100		
82	55.8	40.0	60.0
119	32.1	25.8	38.6

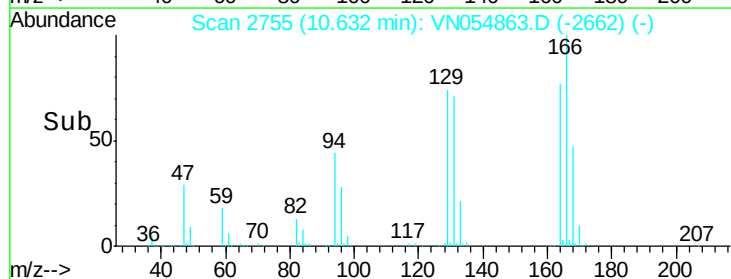
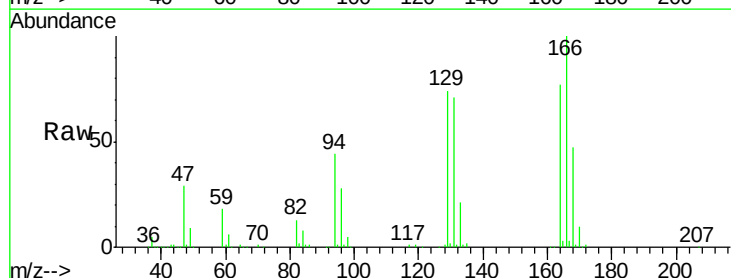
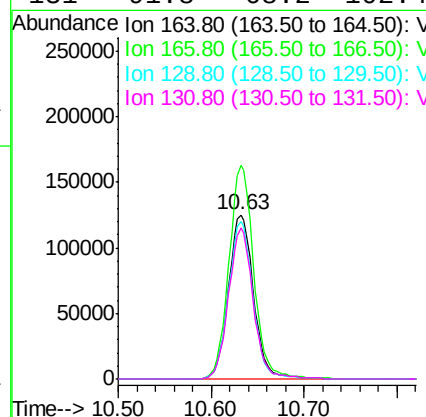
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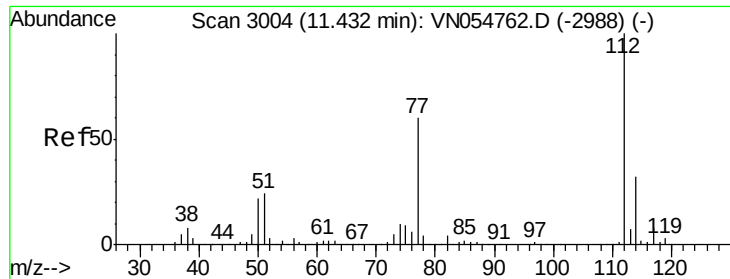
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#64
Tetrachloroethene
Concen: 49.775 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN054863.D
Acq: 31 Mar 2019 20:50

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.3	103.9	155.9
129	96.4	71.1	106.7
131	91.8	68.2	102.4





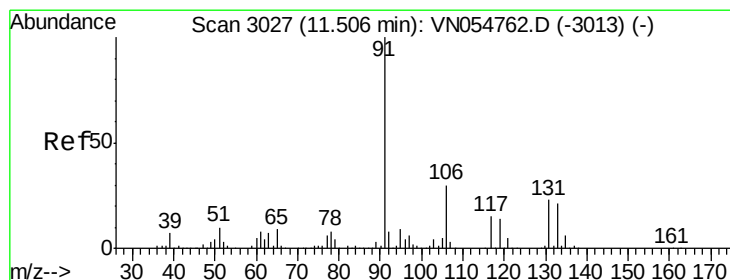
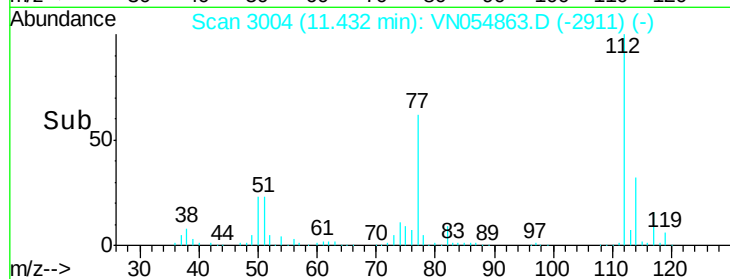
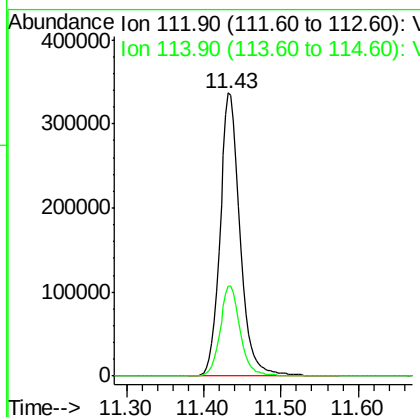
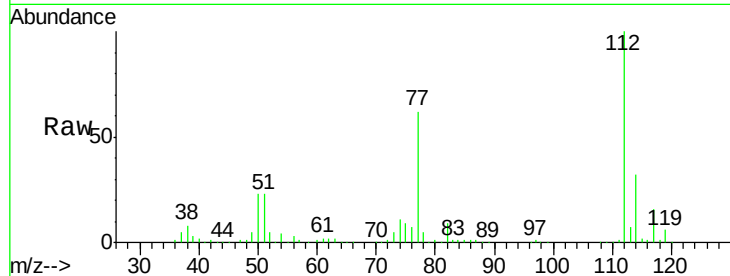
#65
Chlorobenzene
Concen: 50.755 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN054863.D
Acq: 31 Mar 2019 20:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:112 Resp: 609849
Ion Ratio Lower Upper
112 100
114 31.7 25.9 38.9

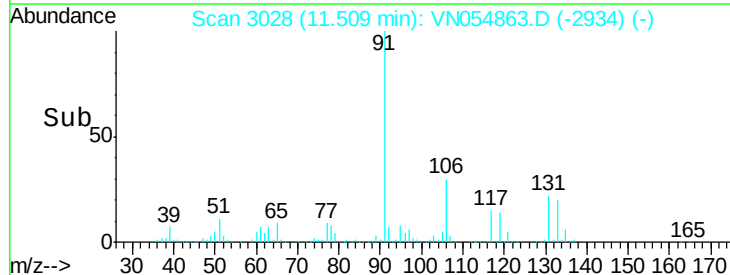
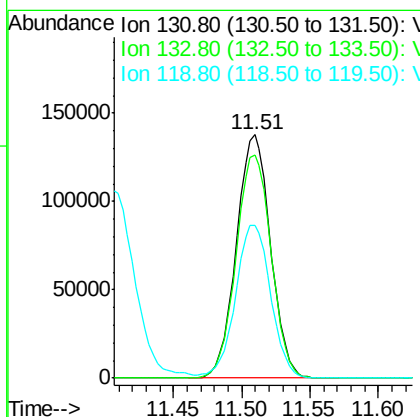
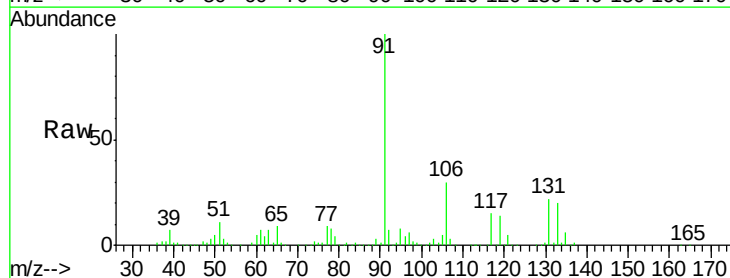
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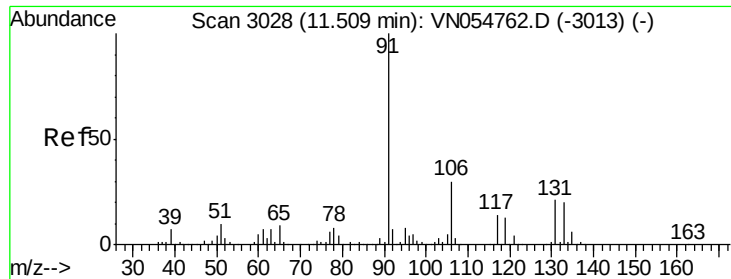
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#66
1,1,1,2-Tetrachloroethane
Concen: 53.225 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN054863.D
Acq: 31 Mar 2019 20:50

Tgt Ion:131 Resp: 239375
Ion Ratio Lower Upper
131 100
133 94.2 47.6 142.9
119 64.7 32.4 97.0





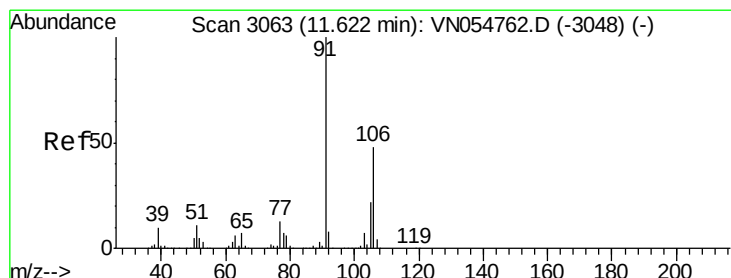
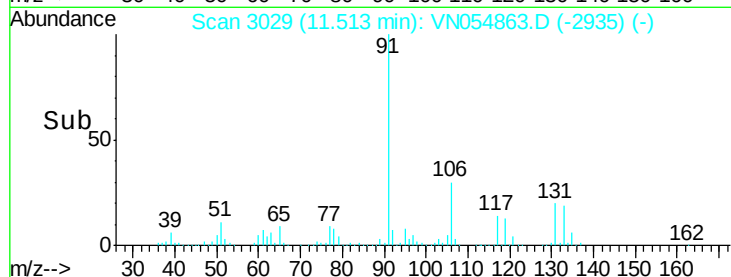
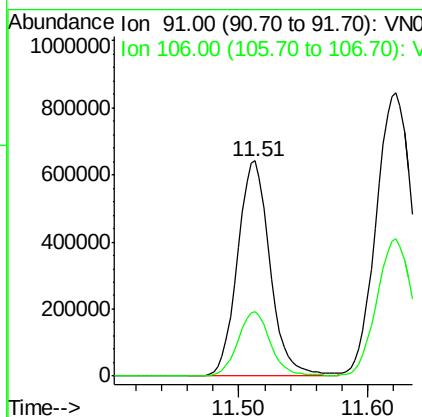
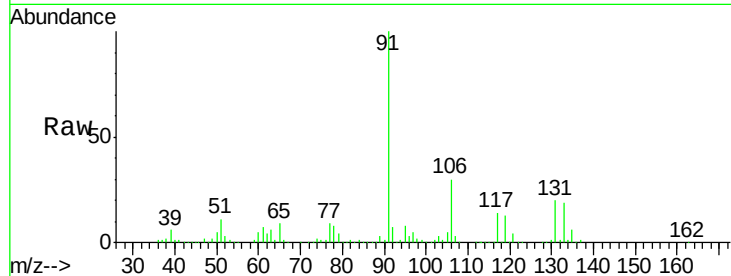
#67
Ethyl Benzene
Concen: 52.103 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN054863.D
Acq: 31 Mar 2019 20:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 1129723
Ion Ratio Lower Upper
91 100
106 30.2 25.5 38.3

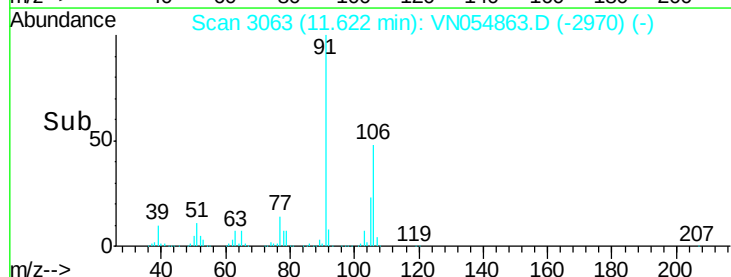
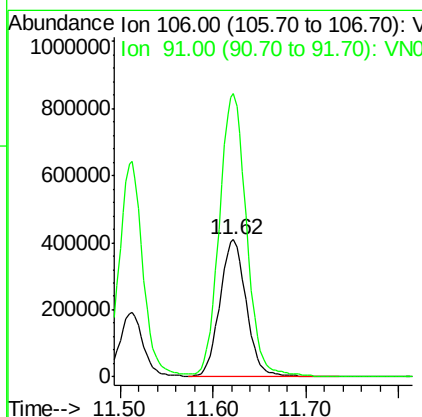
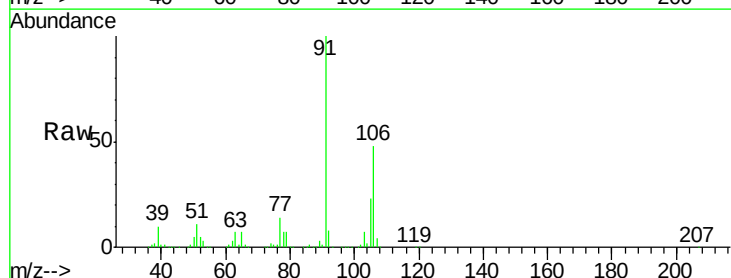
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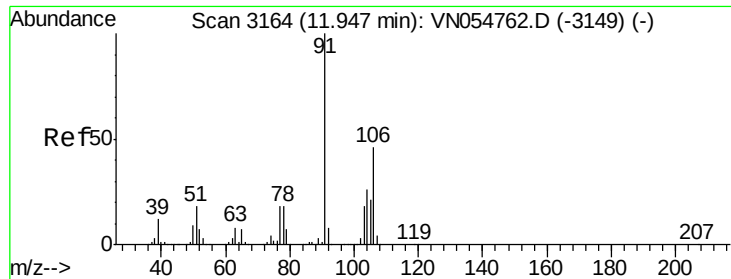
MMDadoda
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#68
m/p-Xylenes
Concen: 101.684 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN054863.D
Acq: 31 Mar 2019 20:50

Tgt Ion: 106 Resp: 815910
Ion Ratio Lower Upper
106 100
91 210.7 159.4 239.2





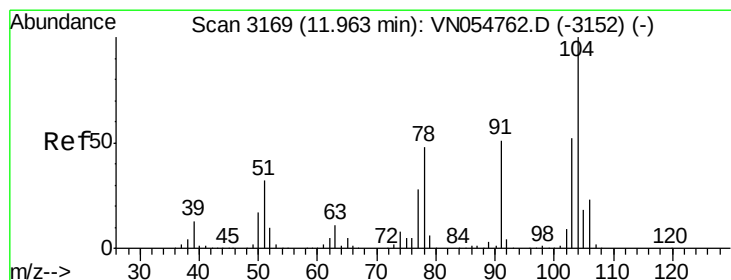
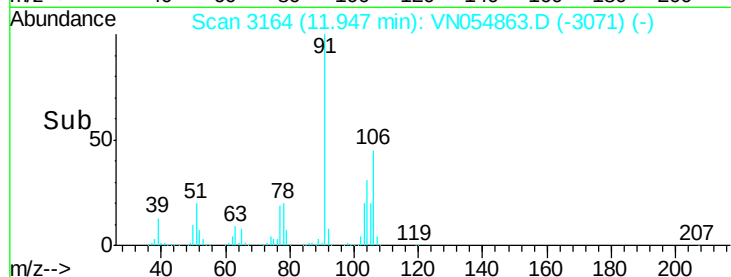
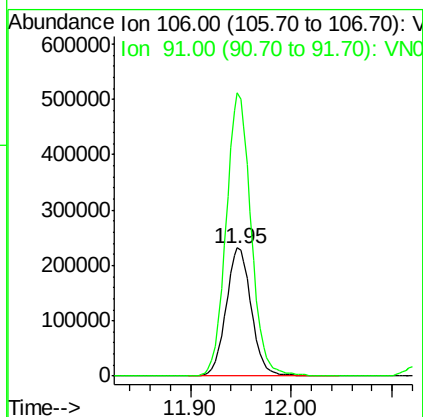
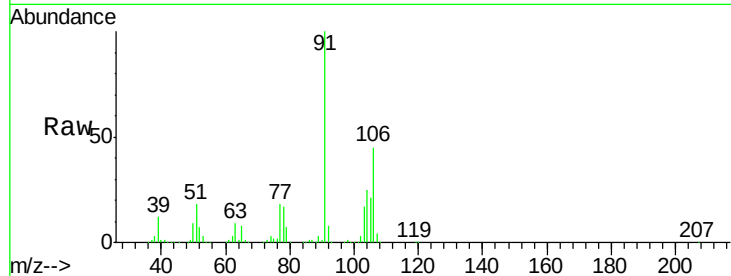
#69
o-Xylene
Concen: 51.490 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054863.D
Acq: 31 Mar 2019 20:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:106 Resp: 405143
Ion Ratio Lower Upper
106 100
91 218.2 105.7 317.1

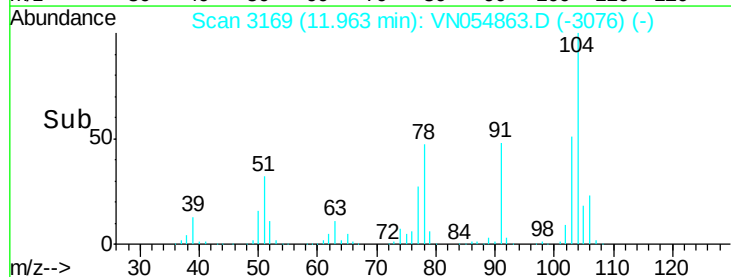
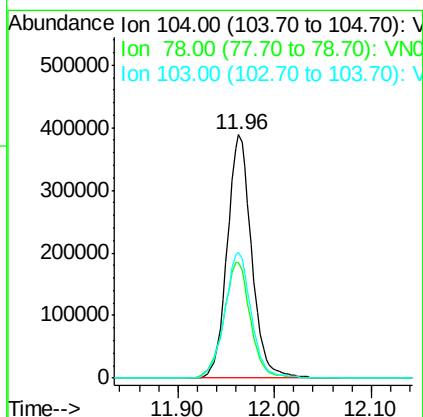
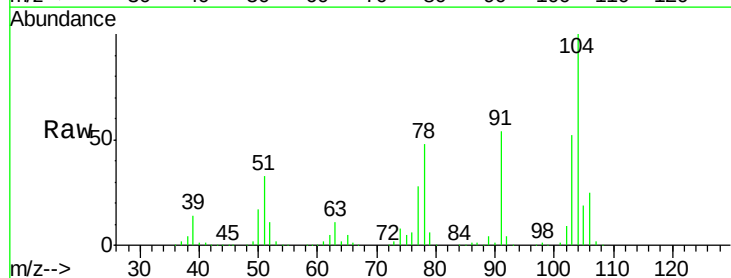
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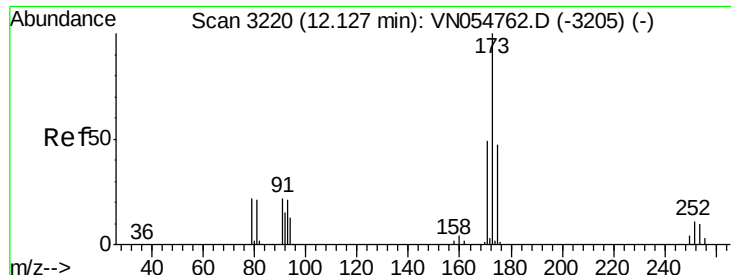
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#70
Styrene
Concen: 54.142 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN054863.D
Acq: 31 Mar 2019 20:50

Tgt Ion:104 Resp: 681152
Ion Ratio Lower Upper
104 100
78 51.8 38.2 57.2
103 56.1 44.4 66.6





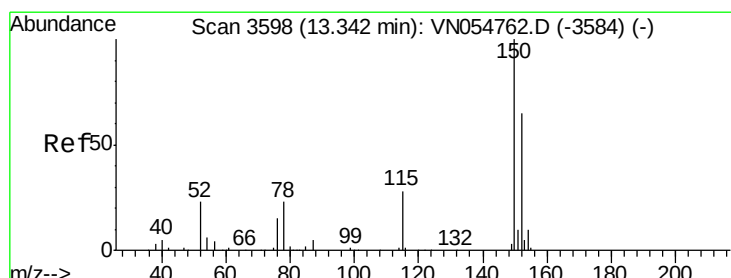
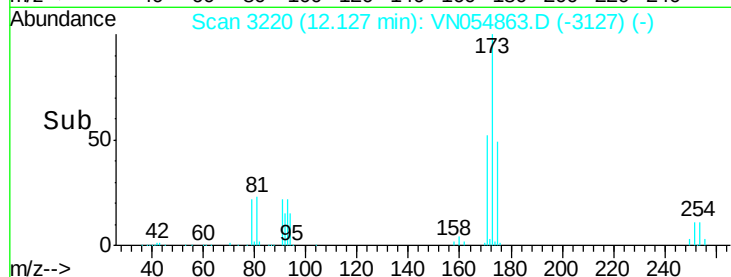
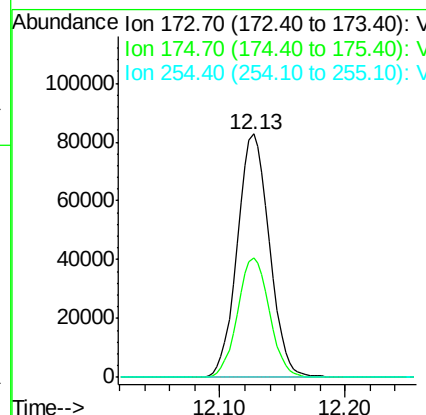
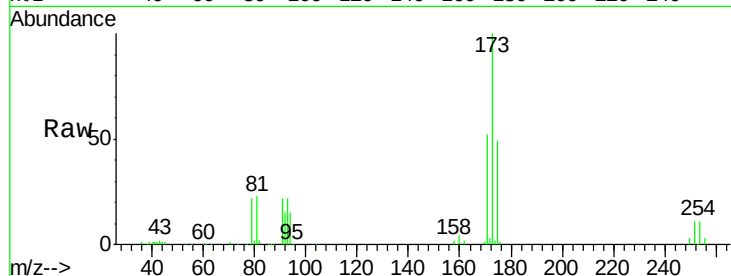
#71
Bromoform
Concen: 55.765 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN054863.D
Acq: 31 Mar 2019 20:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.4	73.2
254	0.1	0.1	0.1#

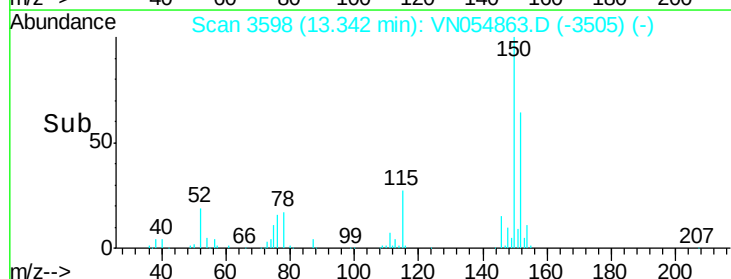
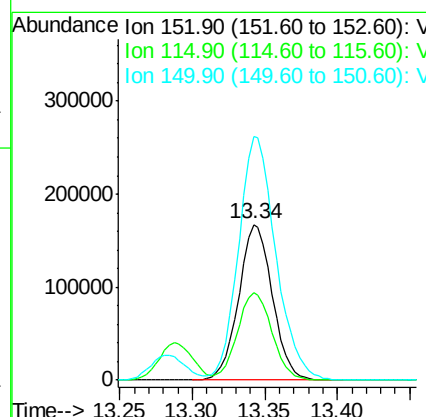
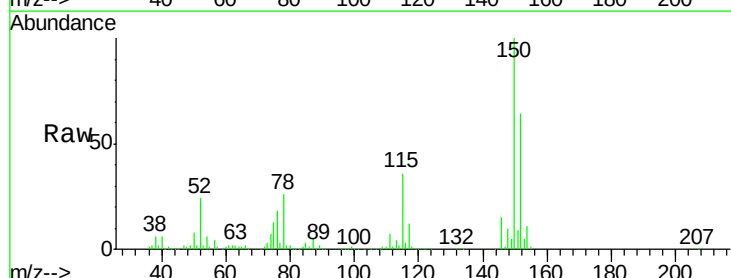
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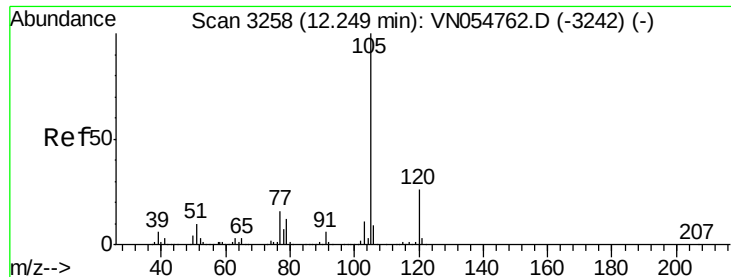
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN054863.D
Acq: 31 Mar 2019 20:50

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.7	27.2	81.6
150	174.0	0.0	349.2





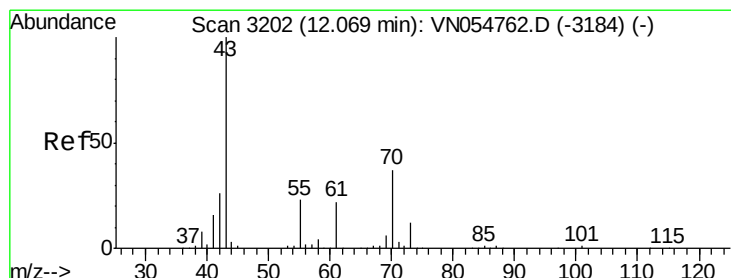
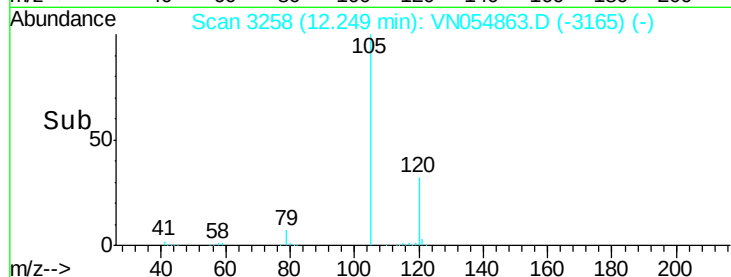
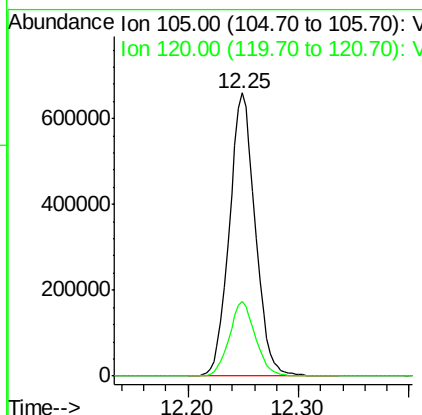
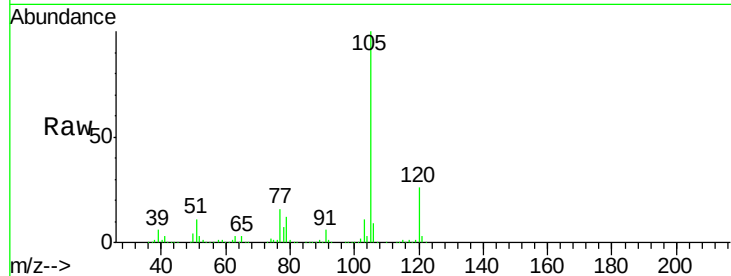
#73
Isopropylbenzene
Concen: 48.777 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN054863.D
Acq: 31 Mar 2019 20:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 105 Resp: 1072205
Ion Ratio Lower Upper
105 100
120 26.4 13.8 41.3

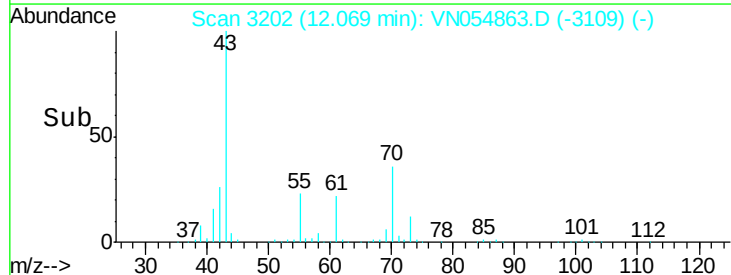
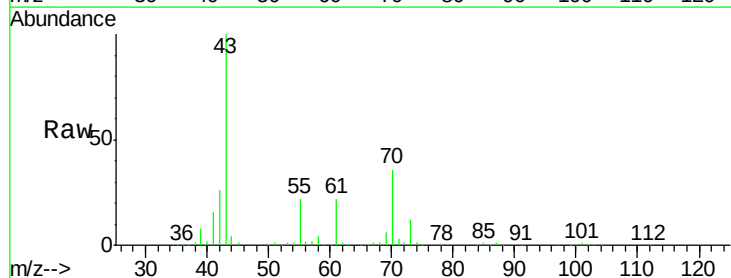
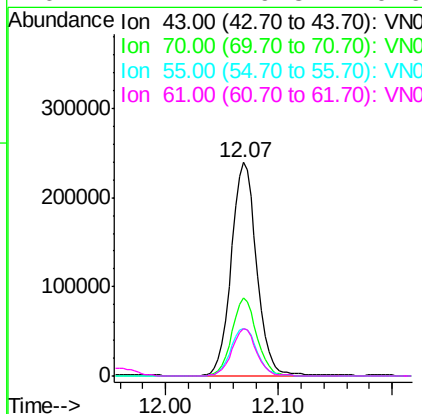
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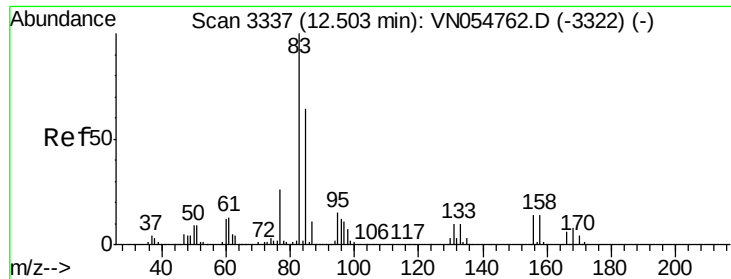
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#74
N-ethyl acetate
Concen: 53.981 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN054863.D
Acq: 31 Mar 2019 20:50

Tgt Ion: 43 Resp: 369675
Ion Ratio Lower Upper
43 100
70 36.1 35.4 53.0
55 23.6 19.8 29.6
61 22.1 19.8 29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 57.405 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN054863.D

Acq: 31 Mar 2019 20:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 83 Resp: 276946
Ion Ratio Lower Upper

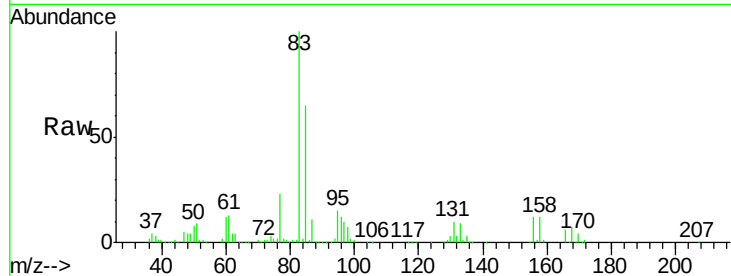
83 100

131 9.7 5.8 17.4

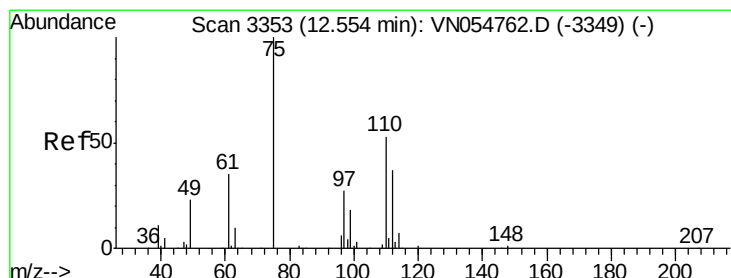
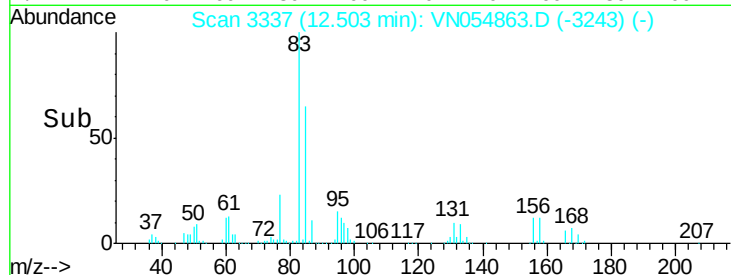
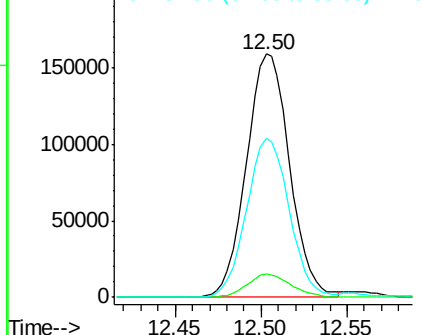
85 64.5 32.2 96.6

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Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 130.80 (130.50 to 131.50): VN
Ion 84.90 (84.60 to 85.60): VN



#76

1,2,3-Trichloropropane

Concen: 52.234 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

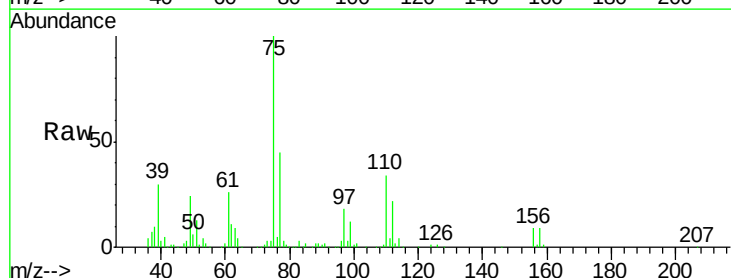
Lab File: VN054863.D

Acq: 31 Mar 2019 20:50

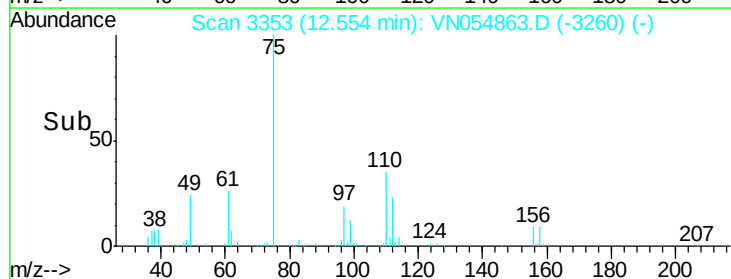
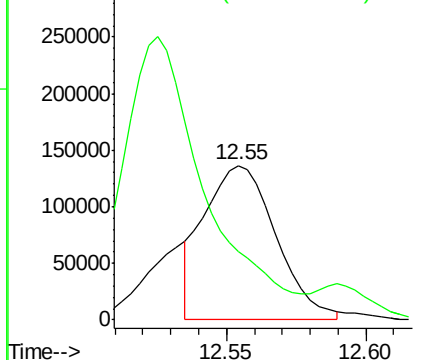
Tgt Ion: 75 Resp: 244040
Ion Ratio Lower Upper

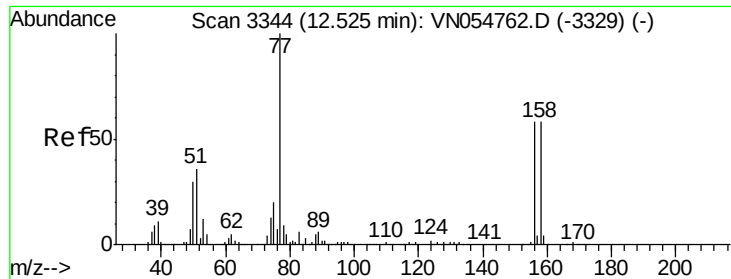
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 77.00 (76.70 to 77.70): VN





#77

Bromobenzene

Concen: 49.836 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN054863.D

Acq: 31 Mar 2019 20:50

Instrument :

MSVOA_N

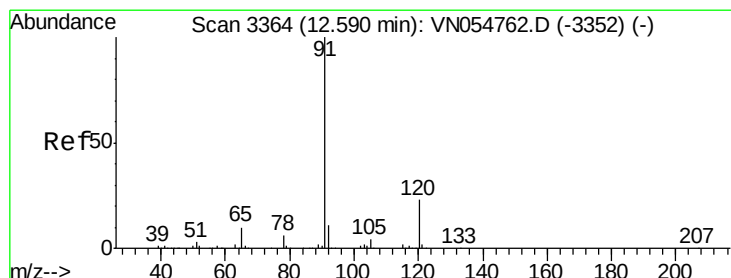
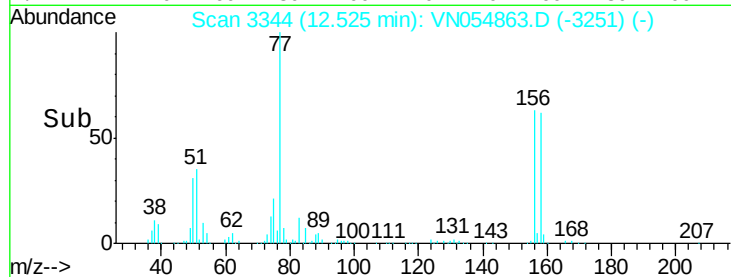
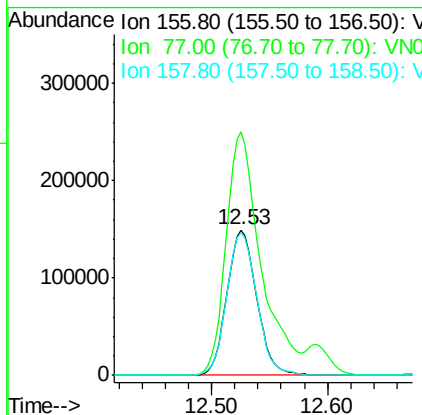
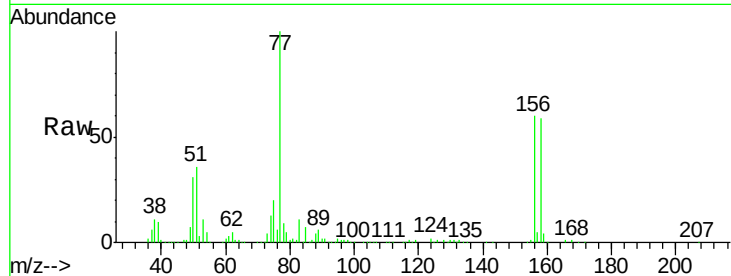
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	156	Resp:	264390
Ion Ratio	Lower	Upper	
156	100		
77	196.0	81.5	244.4
158	99.2	49.0	147.2

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#78

n-propylbenzene

Concen: 49.164 ug/l

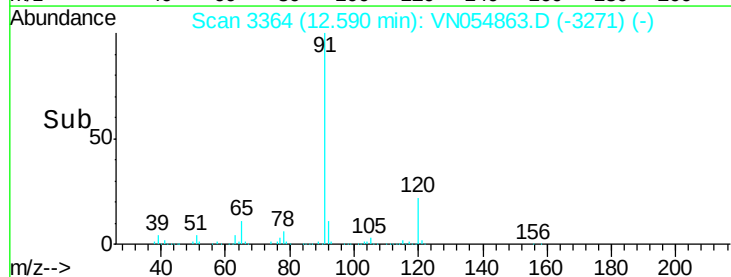
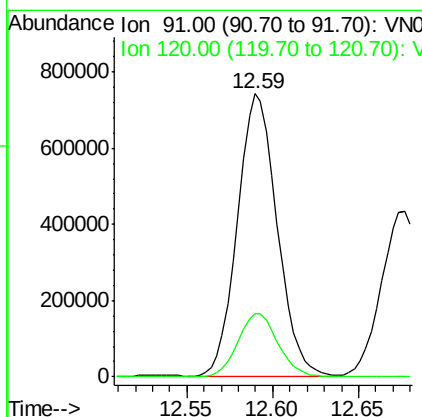
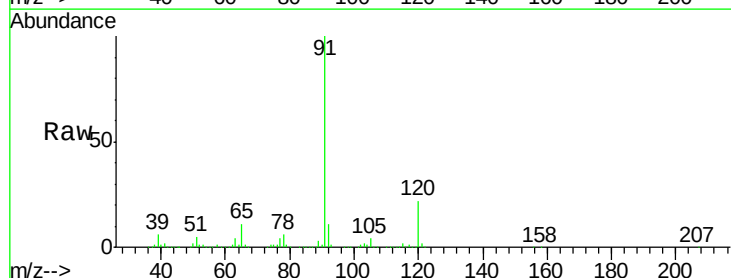
RT: 12.59 min Scan# 3364

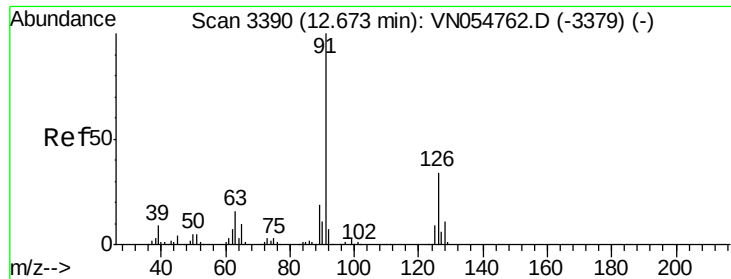
Delta R.T. 0.00 min

Lab File: VN054863.D

Acq: 31 Mar 2019 20:50

Tgt Ion:	91	Resp:	1187838
Ion Ratio	Lower	Upper	
91	100		
120	22.7	12.3	36.9





#79

2-Chlorotoluene

Concen: 48.981 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN054863.D

Acq: 31 Mar 2019 20:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 91 Resp: 732135

Ion Ratio Lower Upper

91 100

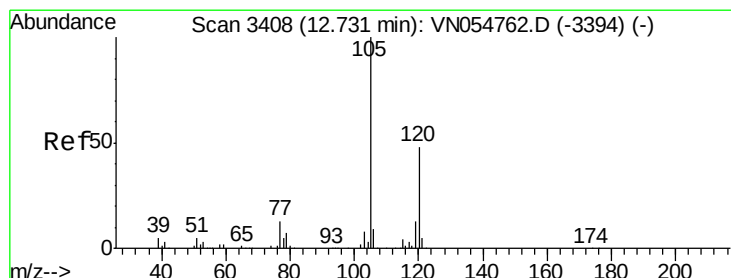
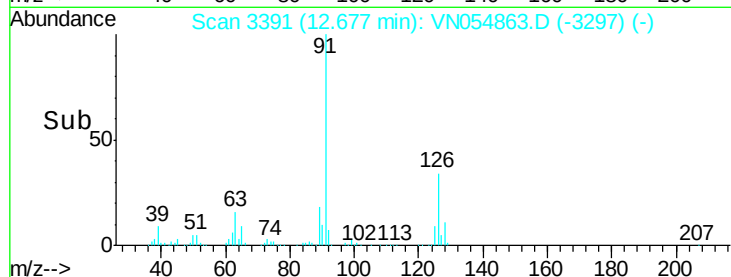
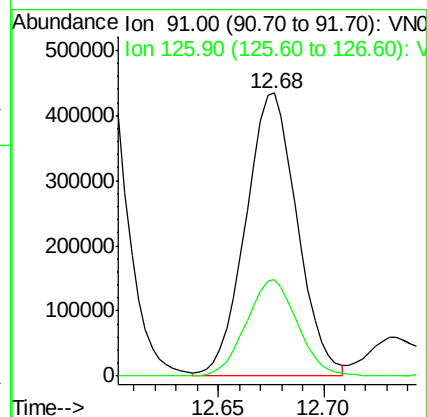
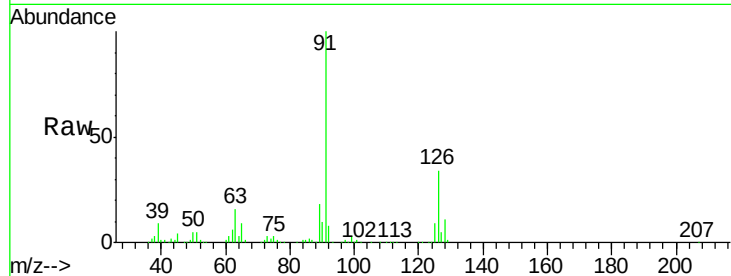
126 34.3 18.7 56.1

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#80

1,3,5-Trimethylbenzene

Concen: 49.056 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN054863.D

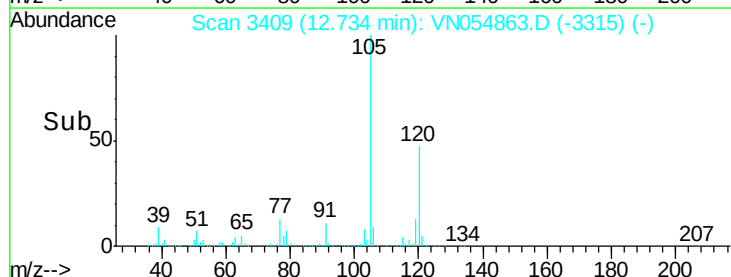
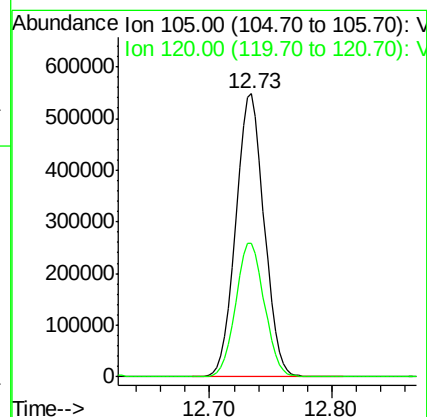
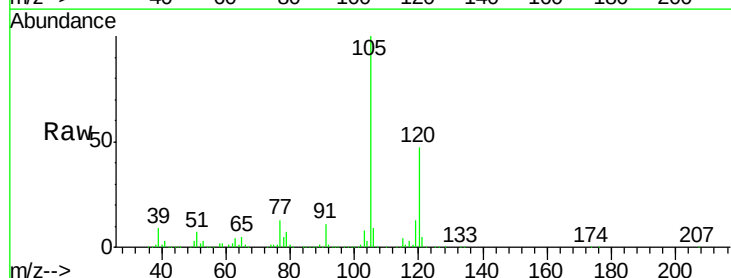
Acq: 31 Mar 2019 20:50

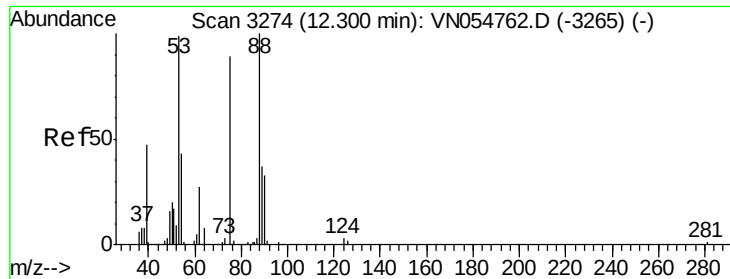
Tgt Ion: 105 Resp: 884820

Ion Ratio Lower Upper

105 100

120 47.9 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 49.255 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN054863.D

Acq: 31 Mar 2019 20:50

Instrument :

MSVOA_N

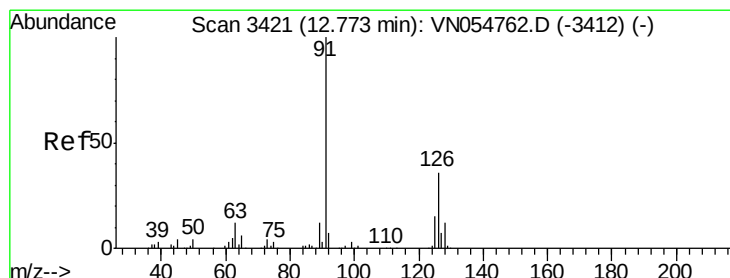
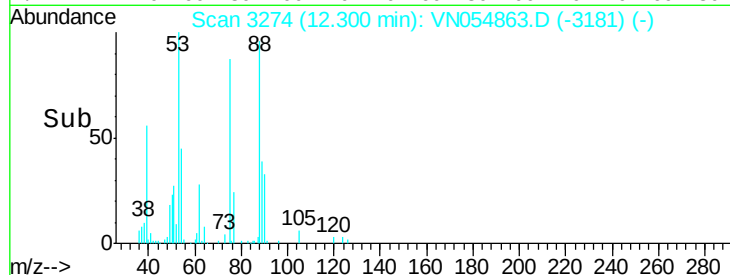
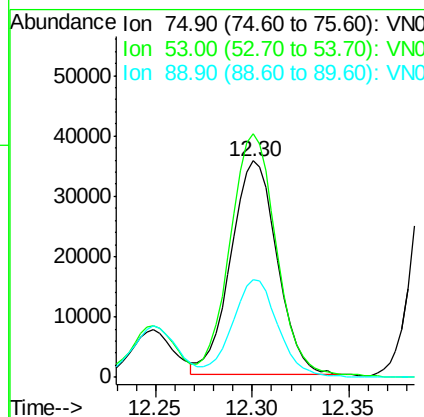
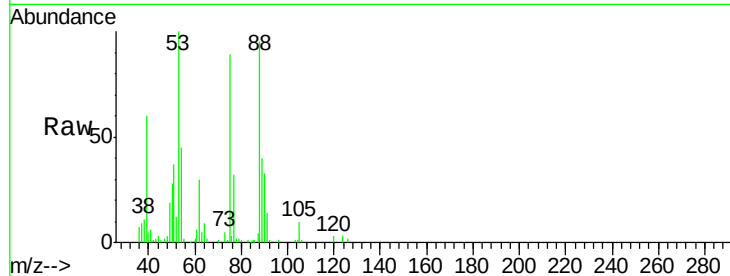
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	75	Resp:	59161
Ion	Ratio	Lower	Upper
75	100		
53	115.6	76.2	114.2#
89	45.1	39.2	58.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 50.182 ug/l

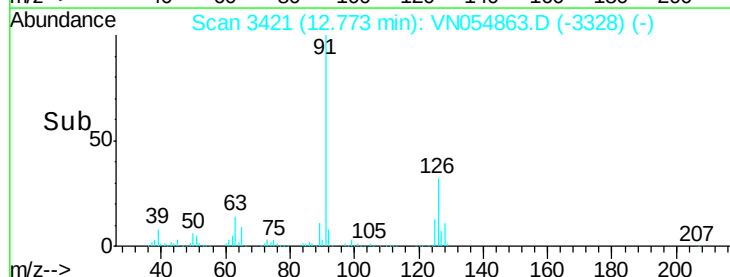
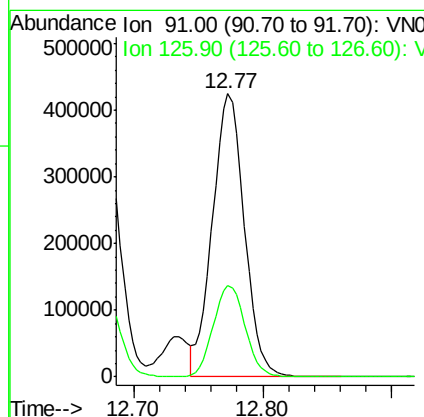
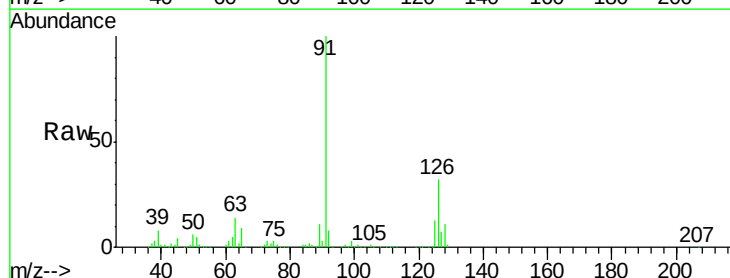
RT: 12.77 min Scan# 3421

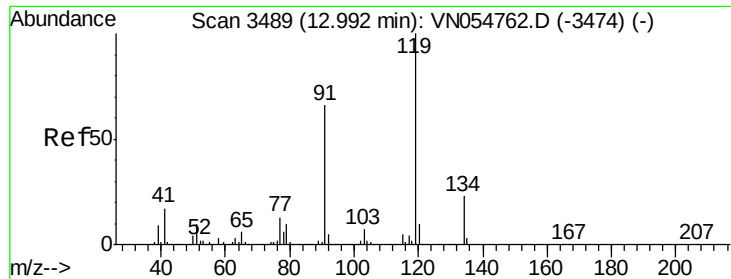
Delta R.T. 0.00 min

Lab File: VN054863.D

Acq: 31 Mar 2019 20:50

Tgt Ion:	91	Resp:	728554
Ion	Ratio	Lower	Upper
91	100		
126	32.4	18.1	54.1





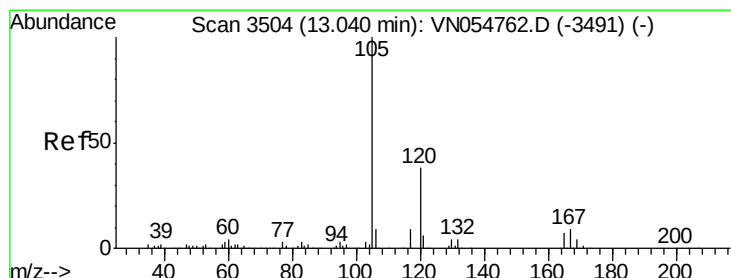
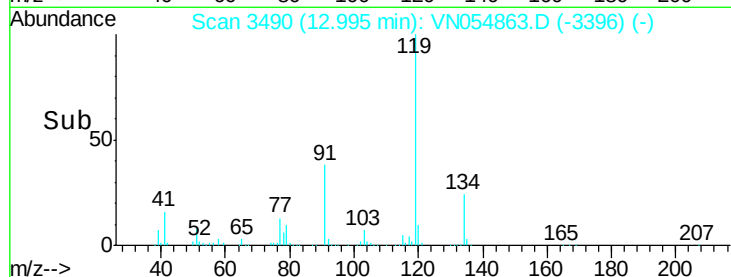
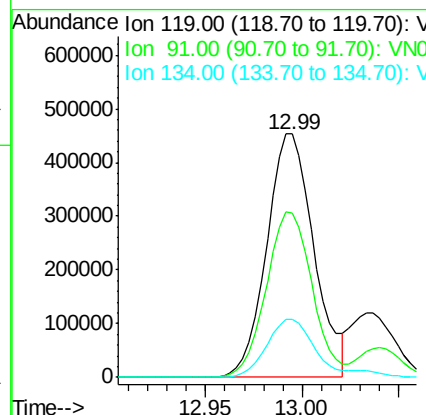
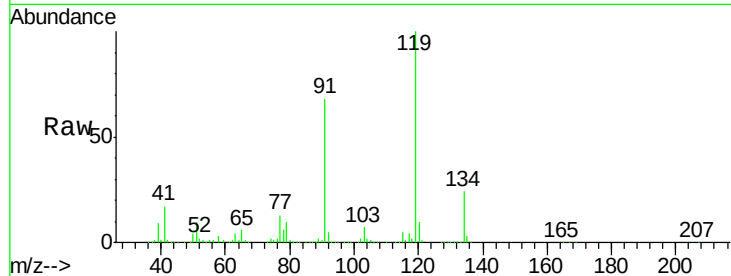
#83
 tert-Butylbenzene
 Concen: 55.163 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN054863.D
 Acq: 31 Mar 2019 20:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
119	100		
91	65.8	30.9	92.8
134	25.8	13.2	39.6

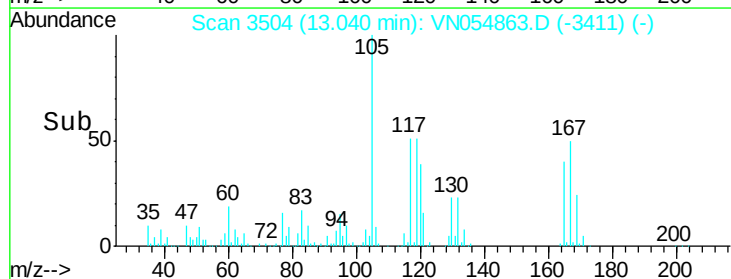
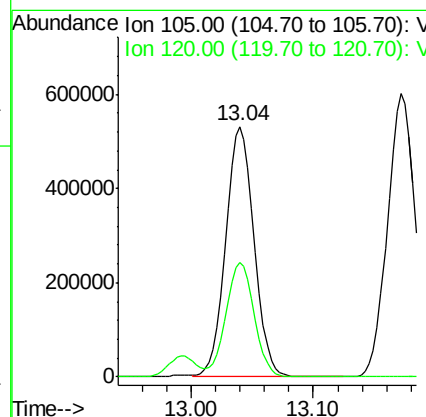
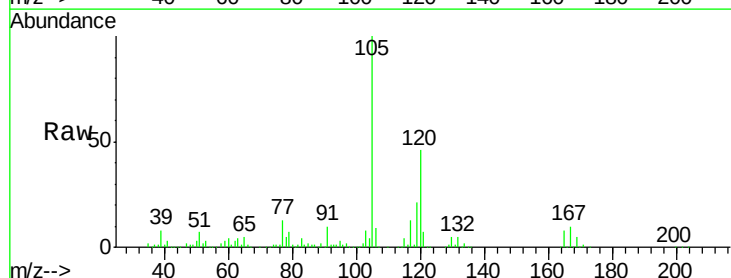
Manual Integrations
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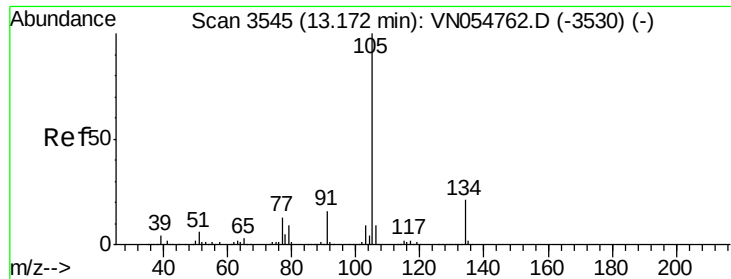
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 50.374 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN054863.D
 Acq: 31 Mar 2019 20:50

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.8	23.4	70.3





#85

sec-Butylbenzene

Concen: 49.273 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN054863.D

Acq: 31 Mar 2019 20:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion:105 Resp: 965429

Ion Ratio Lower Upper

105 100

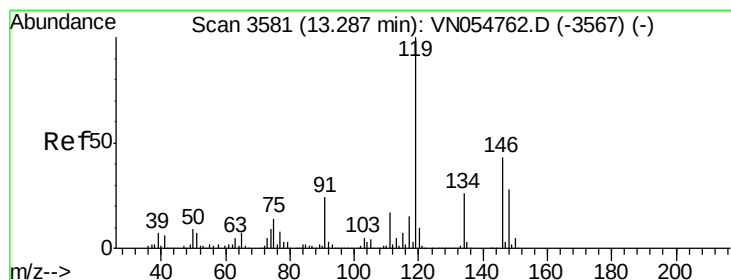
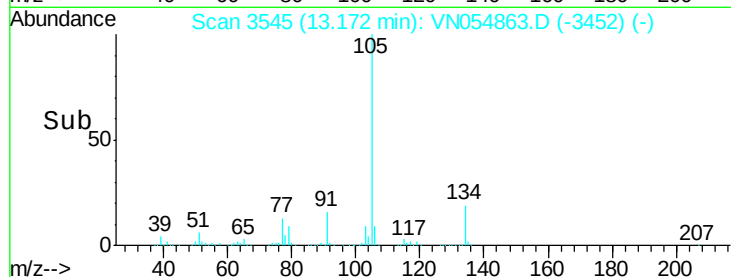
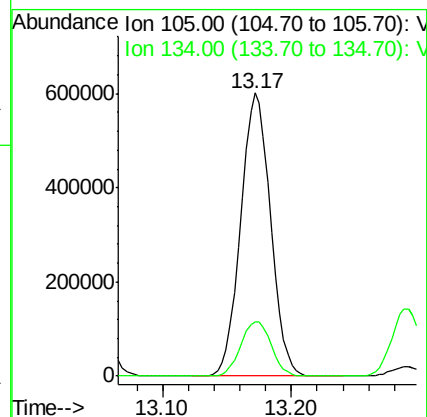
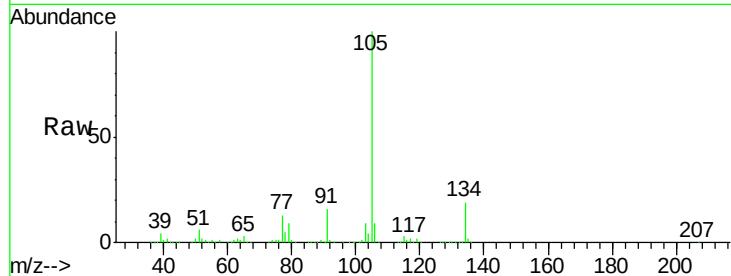
134 19.8 10.7 32.1

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#86

p-Isopropyltoluene

Concen: 49.245 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN054863.D

Acq: 31 Mar 2019 20:50

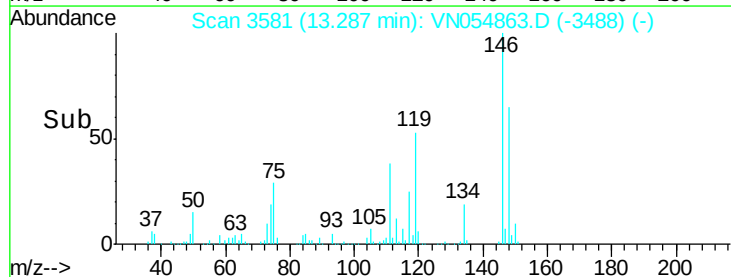
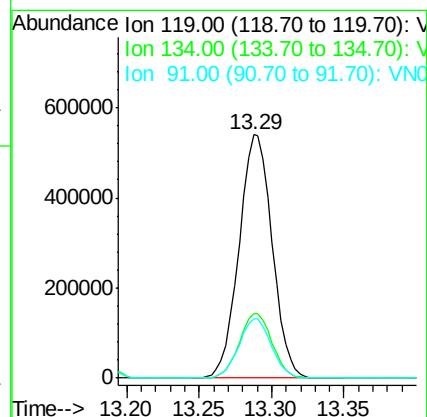
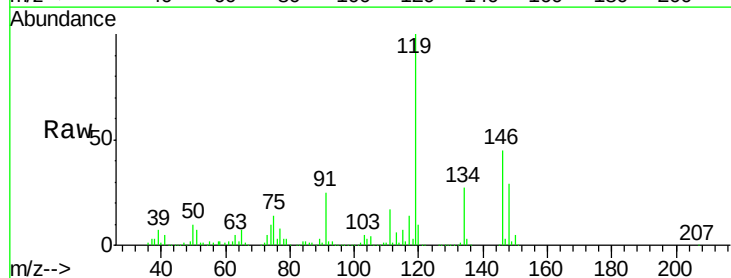
Tgt Ion:119 Resp: 851019

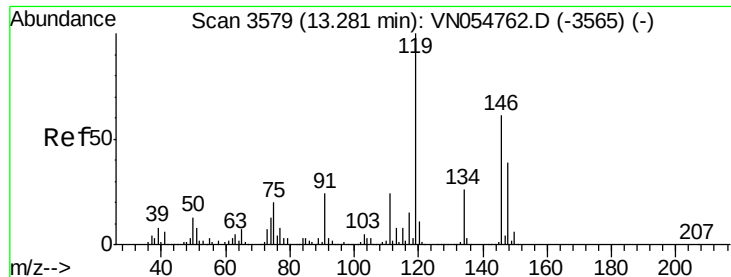
Ion Ratio Lower Upper

119 100

134 26.4 13.6 40.8

91 24.1 11.1 33.3





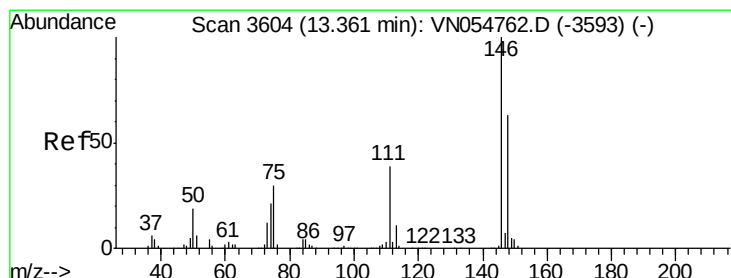
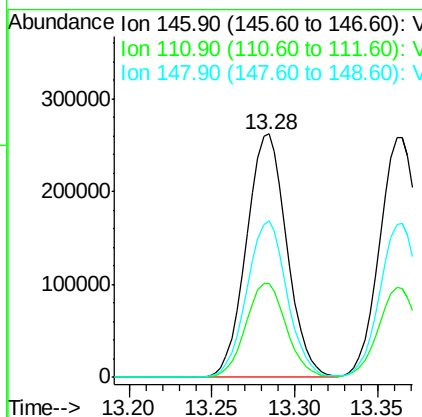
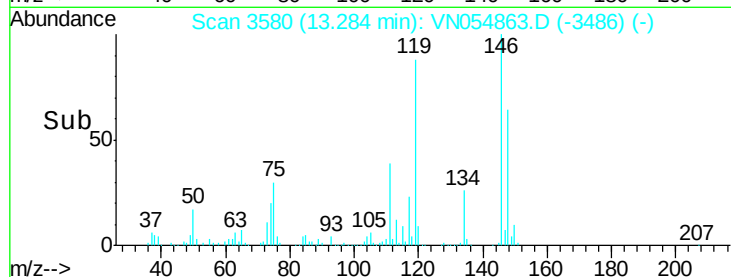
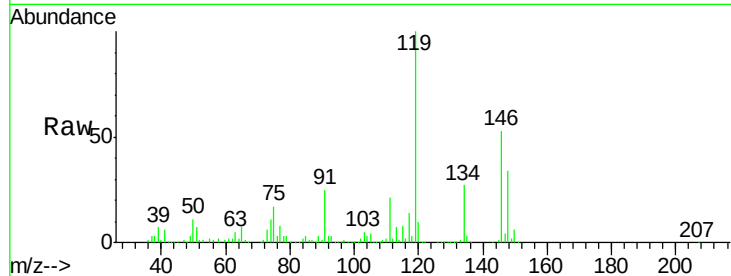
#87
 1,3-Dichlorobenzene
 Concen: 50.231 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN054863.D
 Acq: 31 Mar 2019 20:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.8	18.8	56.3
148	64.0	32.2	96.6

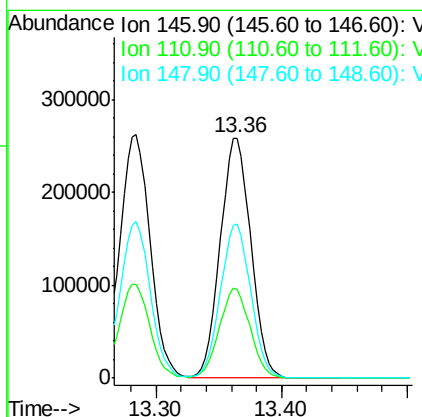
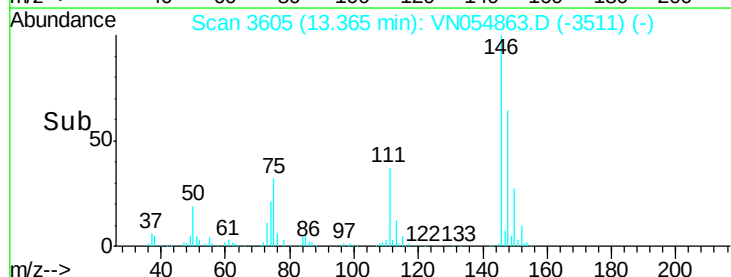
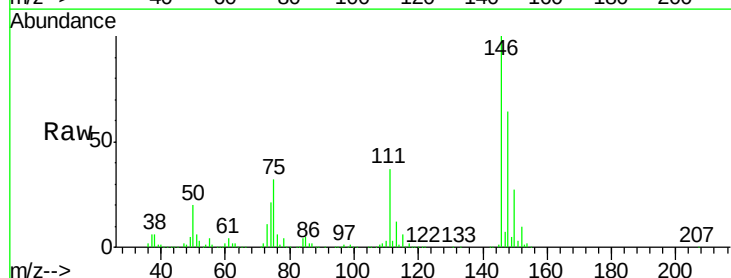
Manual Integrations
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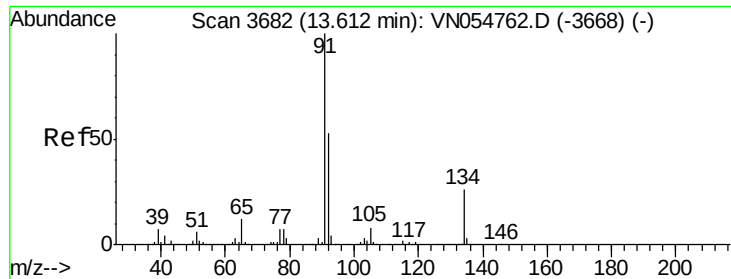
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#88
 1,4-Dichlorobenzene
 Concen: 50.309 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN054863.D
 Acq: 31 Mar 2019 20:50

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.1	54.1
148	63.4	32.0	96.0





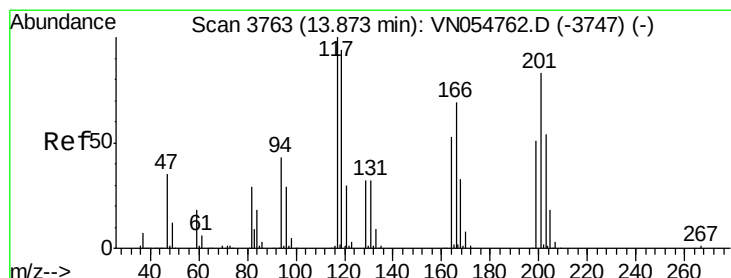
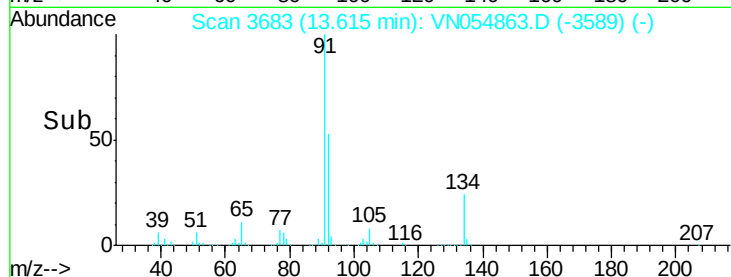
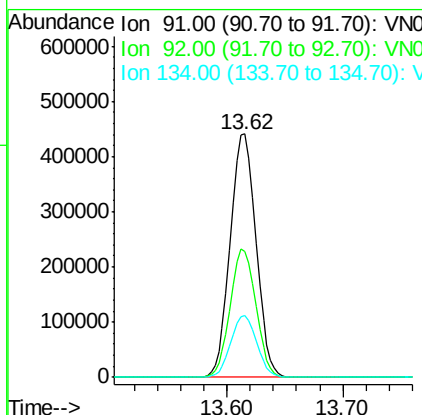
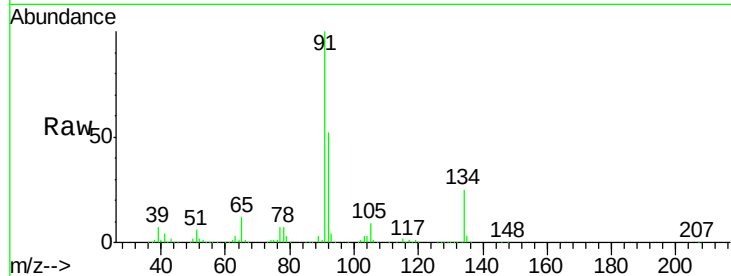
#89
n-Butylbenzene
Concen: 47.967 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN054863.D
Acq: 31 Mar 2019 20:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.4	26.2	78.6
134	25.6	14.3	42.9

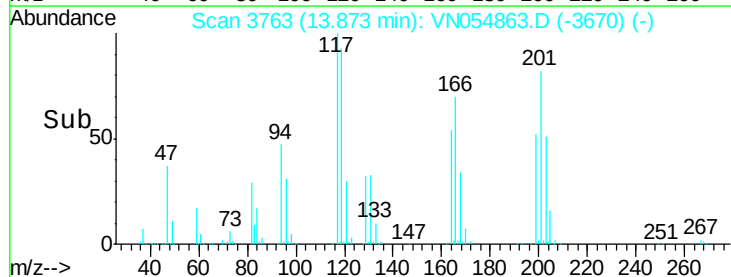
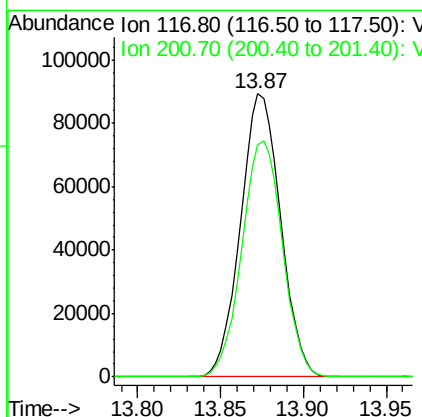
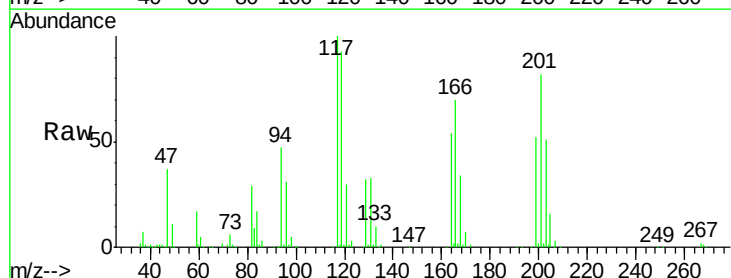
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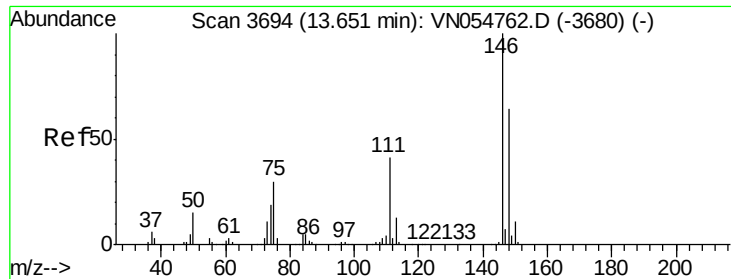
MMDadoda
4/1/2019 12:50:18 PM



#90
Hexachloroethane
Concen: 51.114 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN054863.D
Acq: 31 Mar 2019 20:50

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.8	48.1	144.4





#91

1,2-Dichlorobenzene

Concen: 49.568 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN054863.D

Acq: 31 Mar 2019 20:50

Instrument :

MSVOA_N

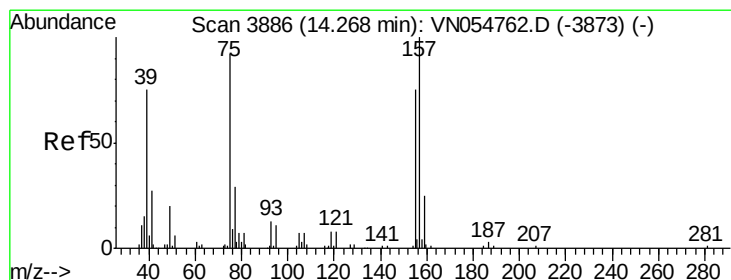
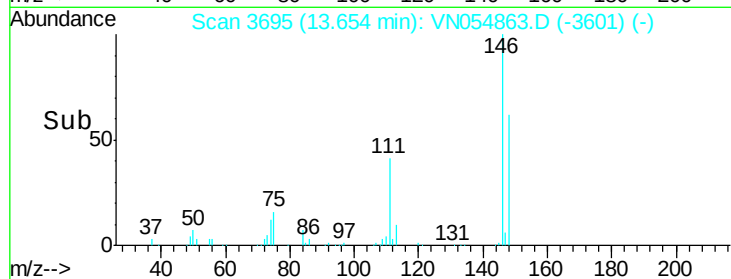
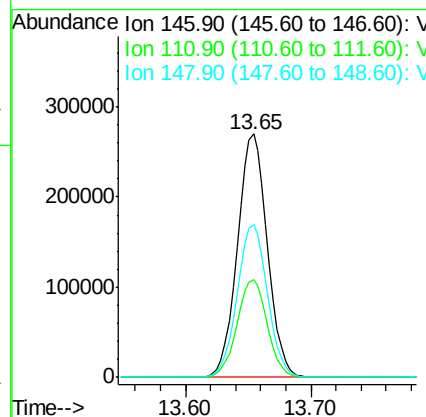
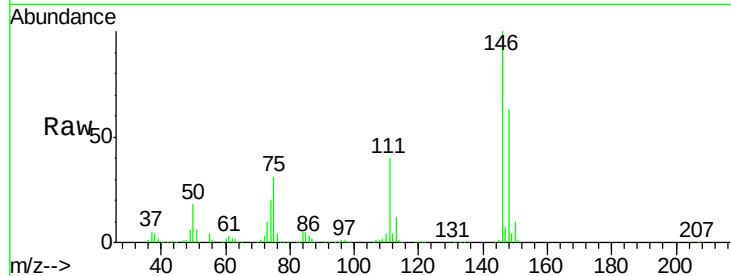
ClientSampled :

VSTDCCC050EC

Tgt Ion:	146	Resp:	444339
Ion Ratio	Lower	Upper	
146	100		
111	40.5	19.1	57.3
148	63.8	32.4	97.0

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 53.676 ug/l

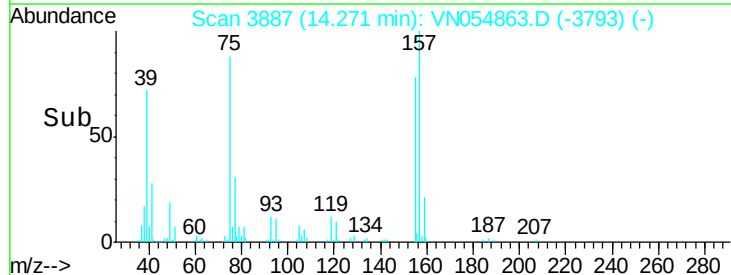
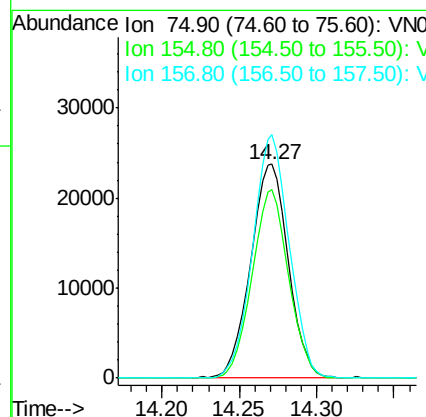
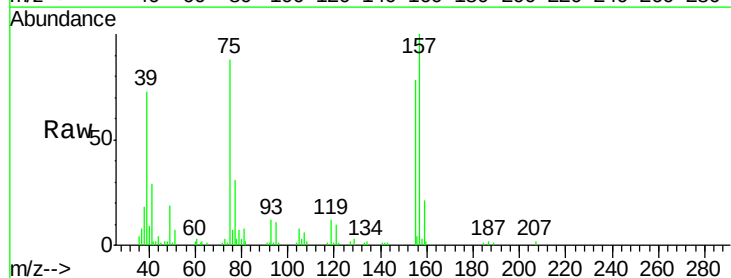
RT: 14.27 min Scan# 3887

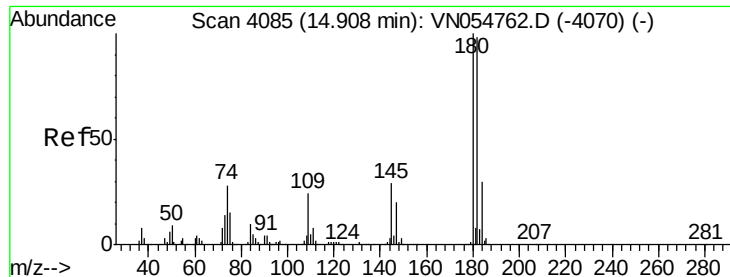
Delta R.T. 0.00 min

Lab File: VN054863.D

Acq: 31 Mar 2019 20:50

Tgt Ion:	75	Resp:	40336
Ion Ratio	Lower	Upper	
75	100		
155	85.1	50.1	150.3
157	110.1	63.1	189.3





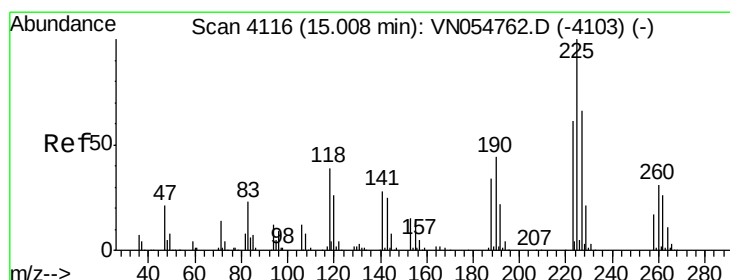
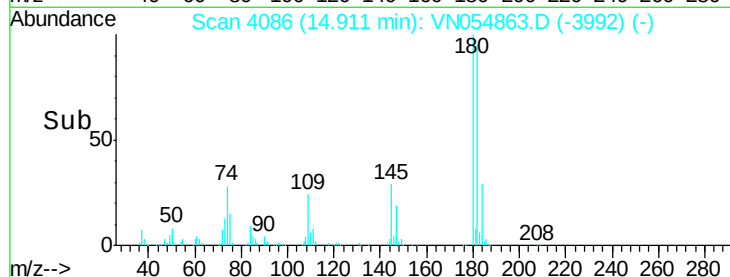
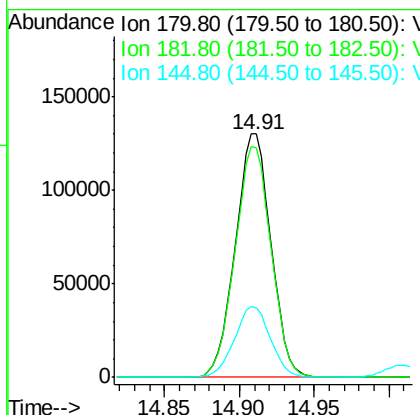
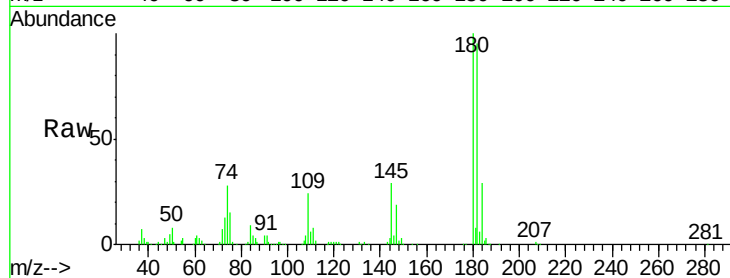
#93
 1,2,4-Trichlorobenzene
 Concen: 49.803 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN054863.D
 Acq: 31 Mar 2019 20:50

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	215234		
182	96.0	48.0	144.2	
145	29.4	14.2	42.8	

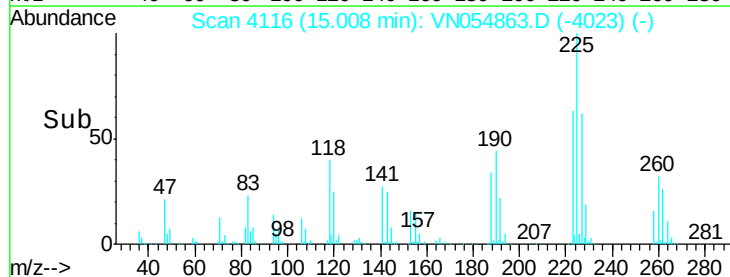
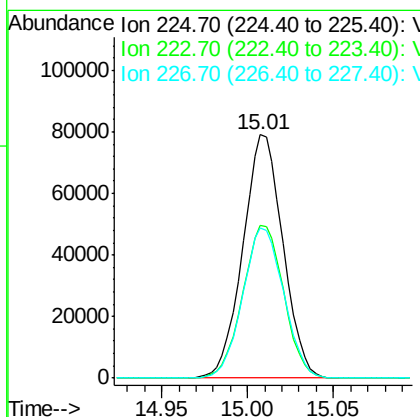
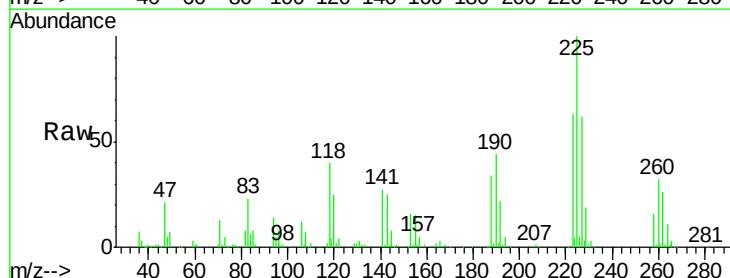
Manual Integrations
 APPROVED

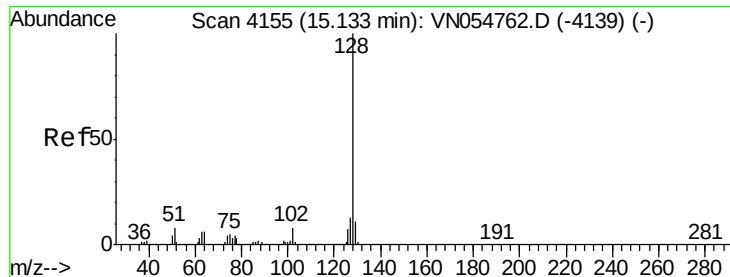
MMDadoda
 4/1/2019 12:50:18 PM



#94
 Hexachlorobutadiene
 Concen: 49.731 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN054863.D
 Acq: 31 Mar 2019 20:50

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	127312		
223	64.1	31.1	93.5	
227	63.3	31.9	95.9	





#95

Naphthalene

Concen: 50.817 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN054863.D

Acq: 31 Mar 2019 20:50

Instrument :

MSVOA_N

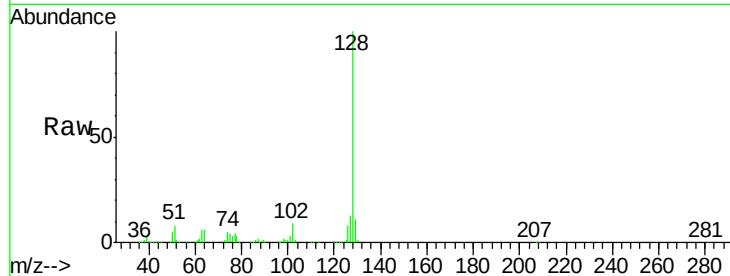
ClientSampleId :

VSTDCCC050EC

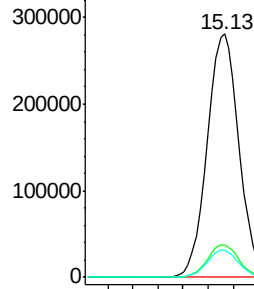
Tgt Ion:	128	Resp:	492555
Ion Ratio		Lower	Upper
128	100		
127	13.2	10.1	15.1
129	11.0	8.7	13.1

Manual Integrations
APPROVED

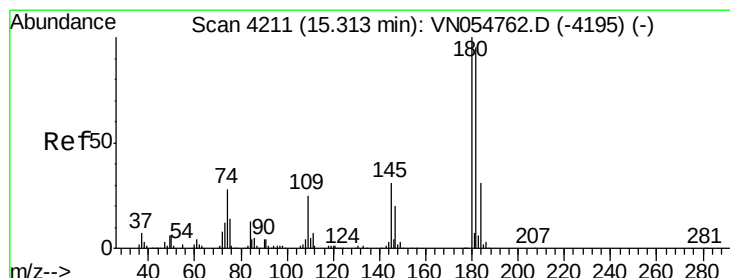
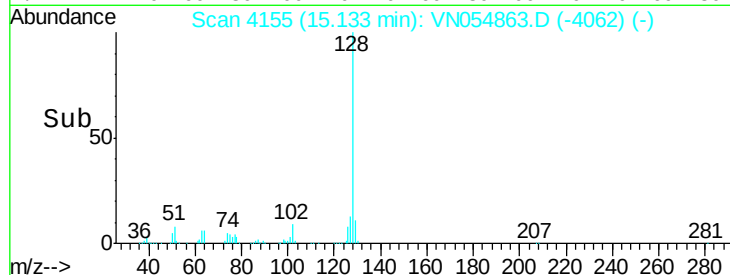
MMDadoda
4/1/2019 12:50:18 PM



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



Time-->



#96

1,2,3-Trichlorobenzene

Concen: 50.329 ug/l

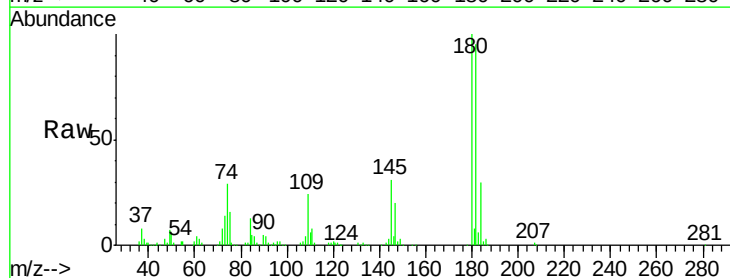
RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

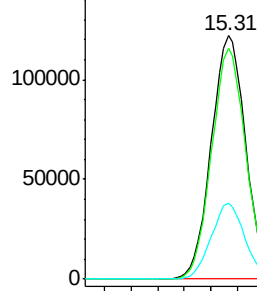
Lab File: VN054863.D

Acq: 31 Mar 2019 20:50

Tgt Ion:	180	Resp:	219666
Ion Ratio		Lower	Upper
180	100		
182	93.6	47.5	142.6
145	30.5	14.8	44.3



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V



Time-->

