

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN040119\
 Data File : VN054888.D
 Acq On : 1 Apr 2019 21:13
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 4/2/2019 10:51:21 AM

Quant Time: Apr 02 07:07:47 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	374609	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	633241	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	554930	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	244859	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	286133	56.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.32%	
35) Dibromofluoromethane	7.59	113	228140	54.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.08%	
50) Toluene-d8	10.09	98	851934	54.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.56%	
62) 4-Bromofluorobenzene	12.40	95	288247	55.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	184713	48.748	ug/l	100
3) Chloromethane	2.06	50	270029	51.539	ug/l	100
4) Vinyl Chloride	2.19	62	245168	52.109	ug/l	100
5) Bromomethane	2.57	94	135498	55.162	ug/l	94
6) Chloroethane	2.71	64	138782	52.825	ug/l	99
7) Trichlorofluoromethane	3.03	101	311179	53.796	ug/l	99
8) Diethyl Ether	3.41	74	104057	55.867	ug/l	70
9) 1,1,2-Trichlorotrifluoroet	3.75	101	159326	52.323	ug/l	93
10) Methyl Iodide	3.95	142	224922	53.957	ug/l #	87
11) Tert butyl alcohol	4.82	59	71633	272.260	ug/l #	86
12) 1,1-Dichloroethene	3.73	96	158069	53.680	ug/l #	72
13) Acrolein	3.61	56	94019	399.721	ug/l	95
14) Allyl chloride	4.32	41	382453	52.730	ug/l #	92
15) Acrylonitrile	5.00	53	409136	279.766	ug/l	99
16) Acetone	3.82	43	284981	236.654	ug/l #	82
17) Carbon Disulfide	4.04	76	482870	50.558	ug/l	98
18) Methyl Acetate	4.33	43	183410	58.634	ug/l #	87
19) Methyl tert-butyl Ether	5.05	73	562549	54.615	ug/l	96
20) Methylene Chloride	4.55	84	227648	53.593	ug/l #	82
21) trans-1,2-Dichloroethene	5.04	96	206602	53.416	ug/l #	84
22) Diisopropyl ether	5.96	45	812004	56.604	ug/l #	94
23) Vinyl Acetate	5.90	43	2860286	286.516	ug/l #	92
24) 1,1-Dichloroethane	5.85	63	425477	55.601	ug/l	98
25) 2-Butanone	6.85	43	498713	280.168	ug/l #	89
26) 2,2-Dichloropropane	6.82	77	274476	51.175	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	242881	55.588	ug/l	89
28) Bromochloromethane	7.19	49	215630	56.352	ug/l #	72
29) Tetrahydrofuran	7.22	42	336843	272.454	ug/l #	83
30) Chloroform	7.37	83	410964	56.321	ug/l	99
31) Cyclohexane	7.65	56	382372	55.047	ug/l	87
32) 1,1,1-Trichloroethane	7.57	97	339664	56.171	ug/l	95
36) 1,1-Dichloropropene	7.79	75	304917	51.676	ug/l	96
37) Ethyl Acetate	6.94	43	219790	50.794	ug/l	96
38) Carbon Tetrachloride	7.77	117	289495	50.513	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	324405	50.008	ug/l	90
40) Benzene	8.04	78	916441	54.279	ug/l	99
41) Methacrylonitrile	7.17	41	139314	57.314	ug/l #	87
42) 1,2-Dichloroethane	8.12	62	322737	53.535	ug/l	97
43) Isopropyl Acetate	8.17	43	392099	55.768	ug/l #	94
44) Trichloroethene	8.83	130	233560	53.290	ug/l	90
45) 1,2-Dichloropropane	9.12	63	256085	53.193	ug/l	99
46) Dibromomethane	9.21	93	144807	53.469	ug/l	88
47) Bromodichloromethane	9.40	83	314899	55.948	ug/l	99
48) Methyl methacrylate	9.20	41	198881	52.183	ug/l	88
49) 1,4-Dioxane	9.20	88	43624	1153.585	ug/l #	87
51) 4-Methyl-2-Pentanone	9.99	43	1111024	281.065	ug/l	92
52) Toluene	10.16	92	547903	54.536	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	297923	56.270	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	357406	56.511	ug/l	92
55) 1,1,2-Trichloroethane	10.56	97	200394	53.643	ug/l	95
56) Ethyl methacrylate	10.43	69	265702	54.220	ug/l #	83
57) 1,3-Dichloropropane	10.71	76	354846	55.251	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	491208	233.416	ug/l	90
59) 2-Hexanone	10.75	43	679425	268.494	ug/l	90
60) Dibromochloromethane	10.90	129	217949	57.595	ug/l	100
61) 1,2-Dibromoethane	11.00	107	193870	54.305	ug/l	99
64) Tetrachloroethene	10.63	164	219829	51.623	ug/l	97
65) Chlorobenzene	11.43	112	577107	53.116	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	223659	54.997	ug/l	99
67) Ethyl Benzene	11.51	91	1040585	53.074	ug/l	99
68) m/p-Xylenes	11.62	106	766341	105.621	ug/l	94
69) o-Xylene	11.95	106	373559	52.505	ug/l	94
70) Styrene	11.96	104	634010	55.733	ug/l	98
71) Bromoform	12.13	173	134822	56.590	ug/l #	98
73) Isopropylbenzene	12.25	105	1001105	50.021	ug/l	98
74) N-amyl acetate	12.07	43	319036	51.168	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.50	83	246722	56.131	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	220039m	51.728	ug/l	
77) Bromobenzene	12.53	156	248696	51.487	ug/l	86
78) n-propylbenzene	12.59	91	1111739	50.540	ug/l	96
79) 2-Chlorotoluene	12.67	91	685727	50.388	ug/l	94
80) 1,3,5-Trimethylbenzene	12.73	105	816817	49.739	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	53595	49.009	ug/l #	83
82) 4-Chlorotoluene	12.77	91	661895	50.074	ug/l	96
83) tert-Butylbenzene	12.99	119	700581	55.280	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	822035	52.542	ug/l	96
85) sec-Butylbenzene	13.17	105	901623	50.541	ug/l	97
86) p-Isopropyltoluene	13.29	119	776821	49.372	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	413183	51.092	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	396981	50.050	ug/l	98
89) n-Butylbenzene	13.61	91	631055	49.158	ug/l	97
90) Hexachloroethane	13.87	117	138344	51.787	ug/l	88
91) 1,2-Dichlorobenzene	13.65	146	412585	50.552	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	35404	51.746	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	191077	48.561	ug/l	98
94) Hexachlorobutadiene	15.01	225	112389	48.152	ug/l	98
95) Naphthalene	15.13	128	421351	47.745	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	193547	48.706	ug/l	99

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

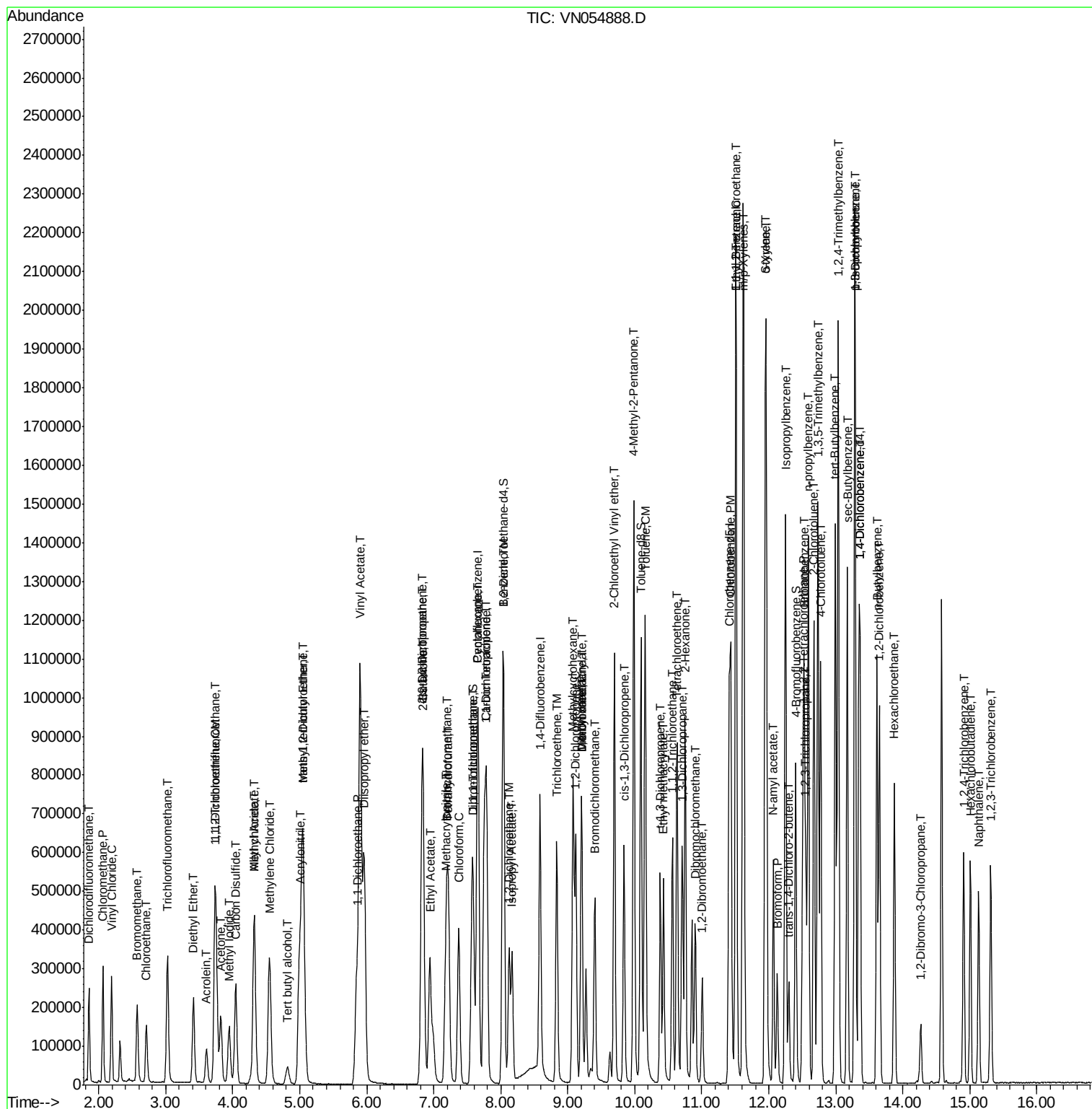
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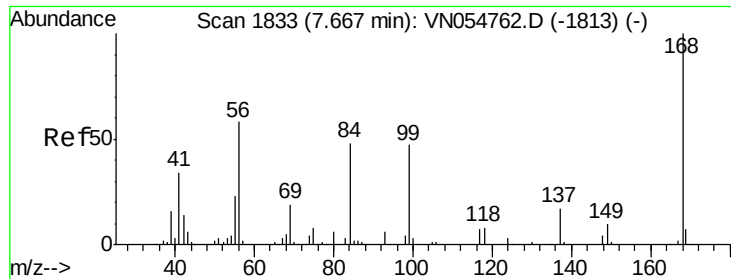
Instrument :
MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN054888.D

Acq: 1 Apr 2019 21:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 374609

Ion Ratio Lower Upper

168 100

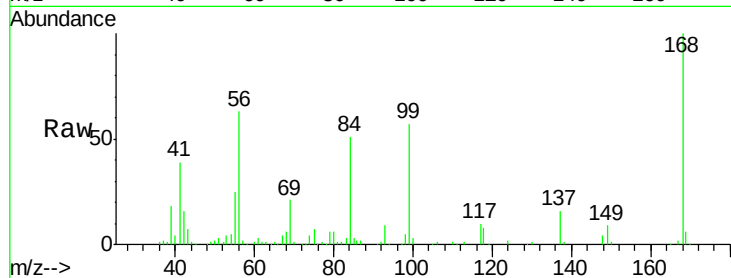
99 55.7 37.1 55.7#

Manual Integrations

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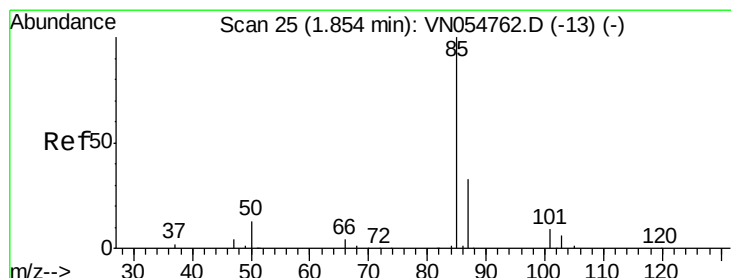
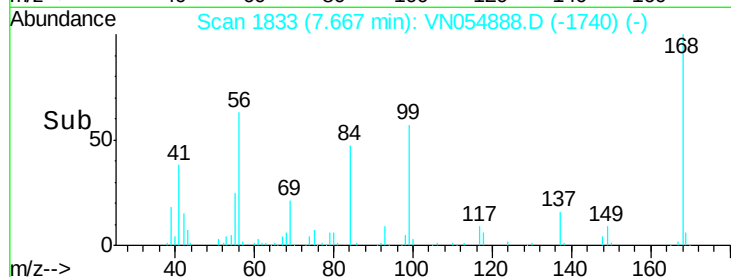
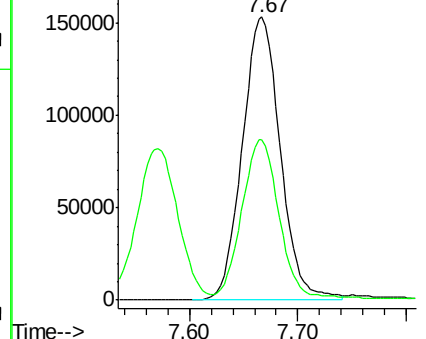
MMDadoda

4/2/2019 10:51:21 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 48.748 ug/l

RT: 1.85 min Scan# 25

Delta R.T. -0.00 min

Lab File: VN054888.D

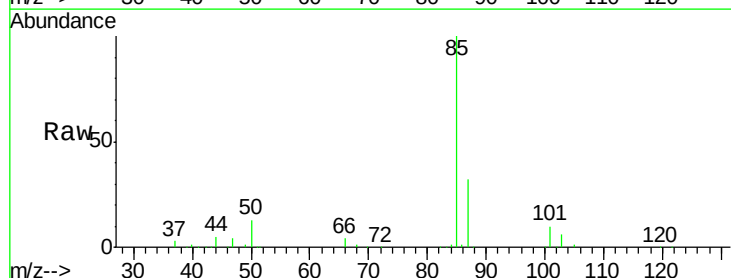
Acq: 1 Apr 2019 21:13

Tgt Ion: 85 Resp: 184713

Ion Ratio Lower Upper

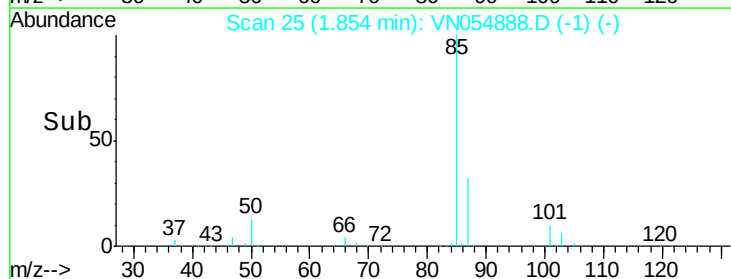
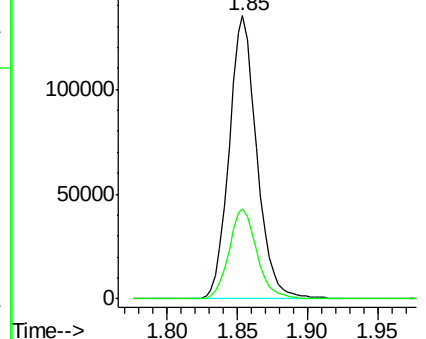
85 100

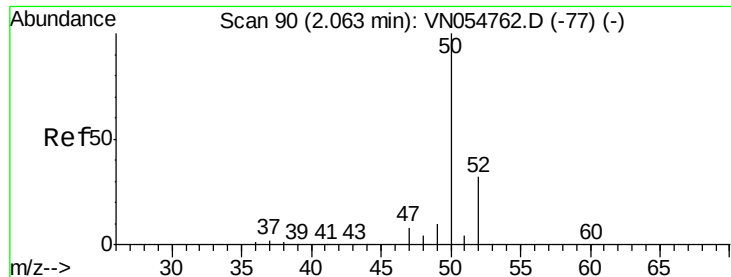
87 31.7 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 51.539 ug/l

RT: 2.06 min Scan# 90

Delta R.T. -0.00 min

Lab File: VN054888.D

Acq: 1 Apr 2019 21:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 270029

Ion Ratio Lower Upper

50 100

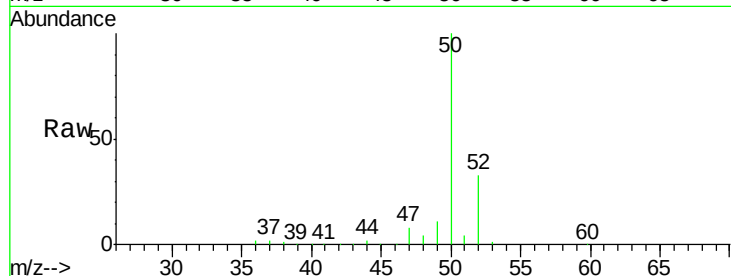
52 33.2 26.4 39.6

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.06

200000

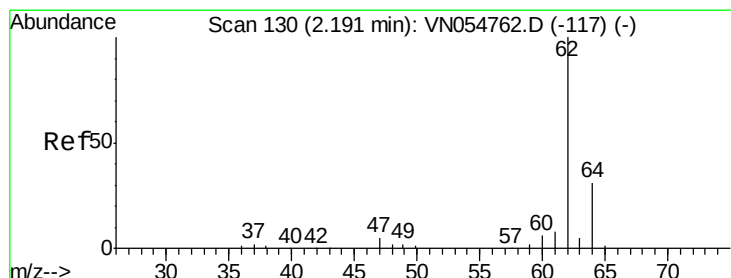
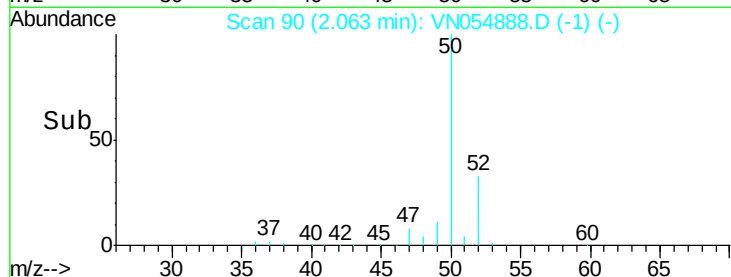
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 52.109 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN054888.D

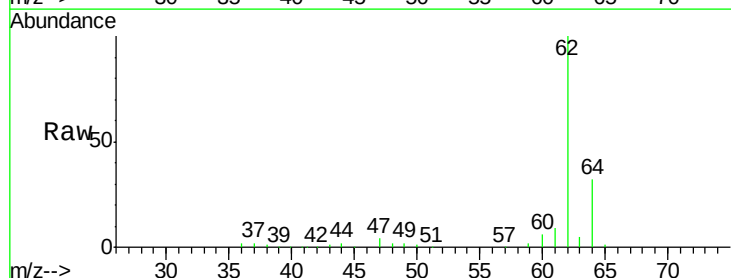
Acq: 1 Apr 2019 21:13

Tgt Ion: 62 Resp: 245168

Ion Ratio Lower Upper

62 100

64 31.6 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.19

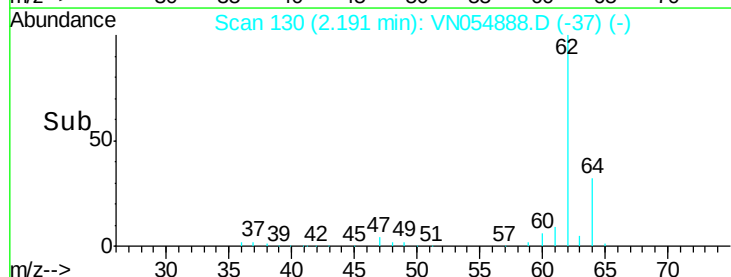
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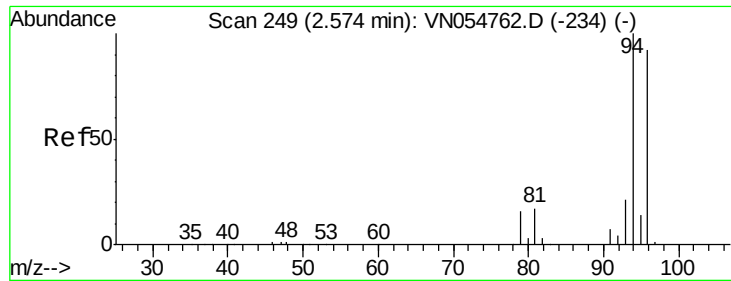
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50000

0

Time-->





#5

Bromomethane

Concen: 55.162 ug/l

RT: 2.57 min Scan# 249

Delta R.T. -0.00 min

Lab File: VN054888.D

Acq: 1 Apr 2019 21:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 135498

Ion Ratio Lower Upper

94 100

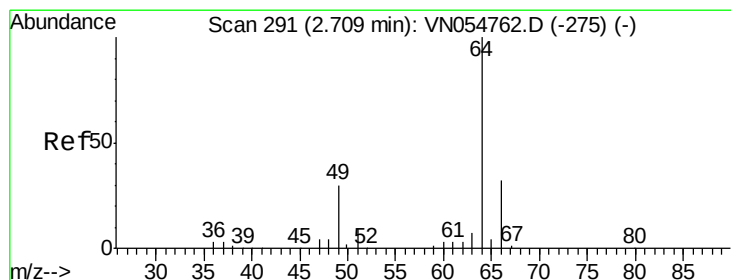
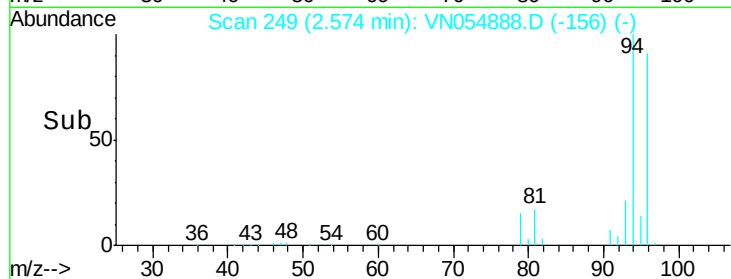
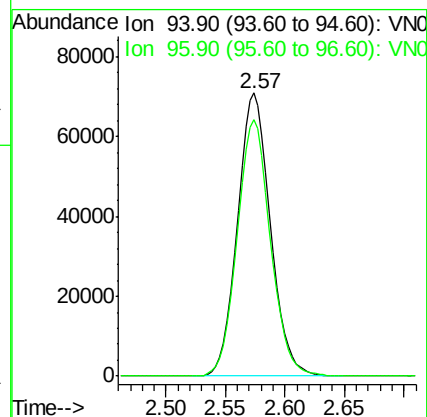
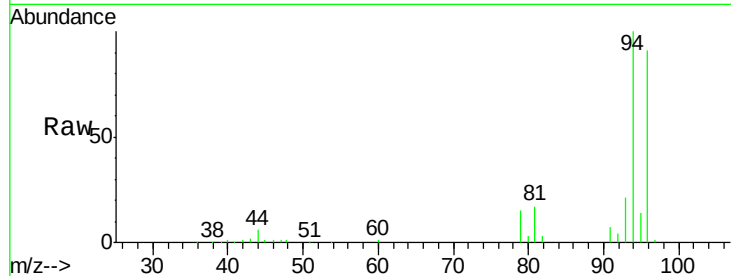
96 90.7 77.0 115.4

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#6

Chloroethane

Concen: 52.825 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN054888.D

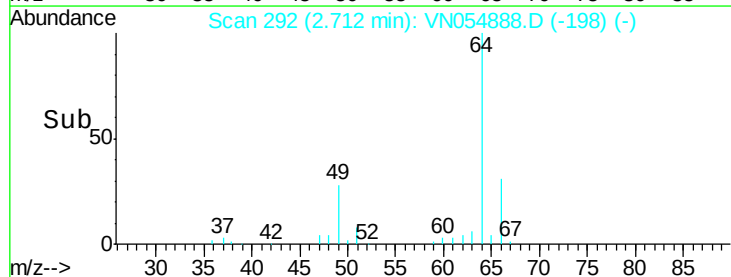
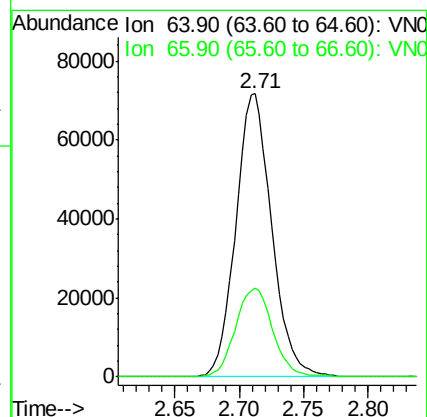
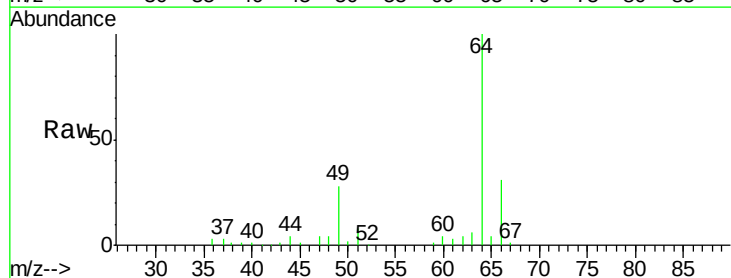
Acq: 1 Apr 2019 21:13

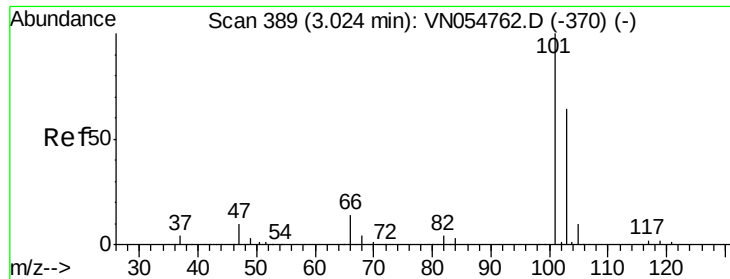
Tgt Ion: 64 Resp: 138782

Ion Ratio Lower Upper

64 100

66 31.4 25.7 38.5





#7

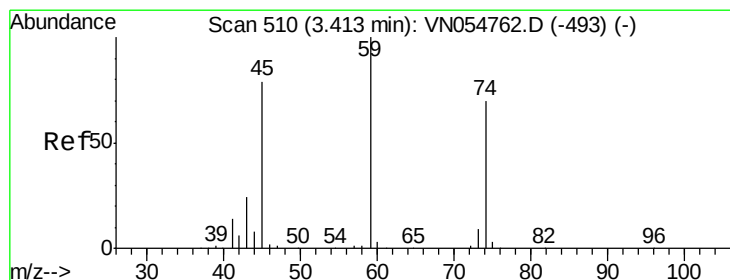
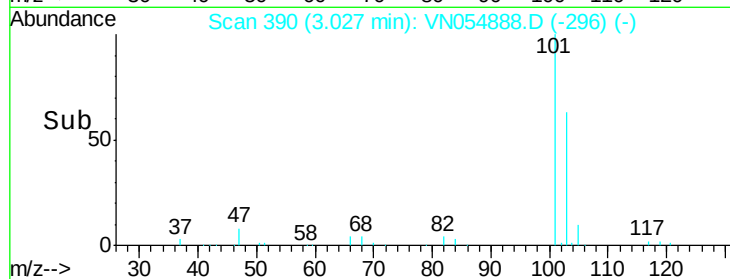
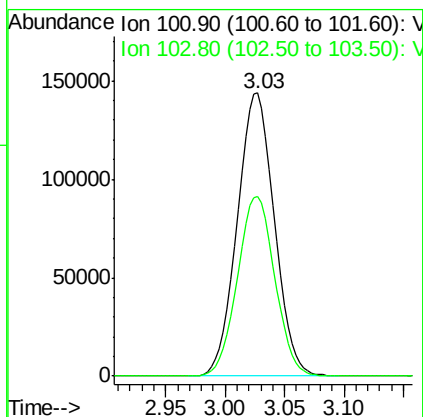
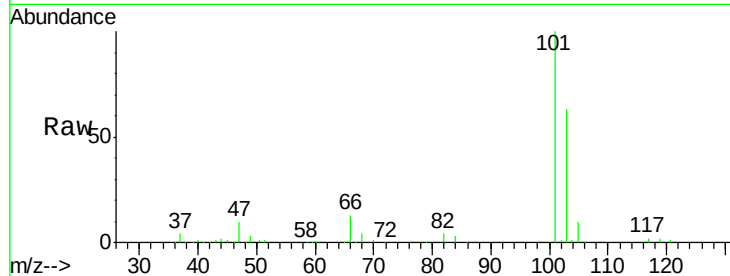
Trichlorofluoromethane
 Concen: 53.796 ug/l
 RT: 3.03 min Scan# 390
 Delta R.T. 0.00 min
 Lab File: VN054888.D
 Acq: 1 Apr 2019 21:13

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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		311179		
103	63.5	51.4	77.2		

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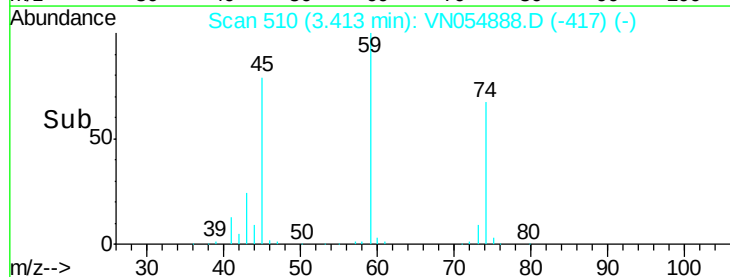
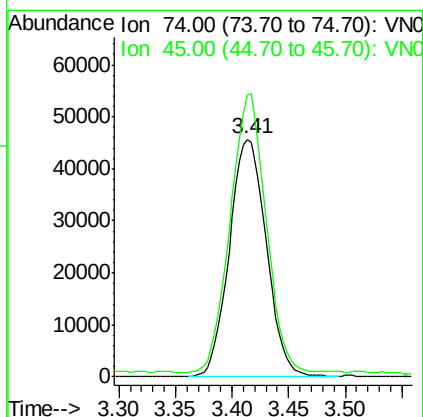
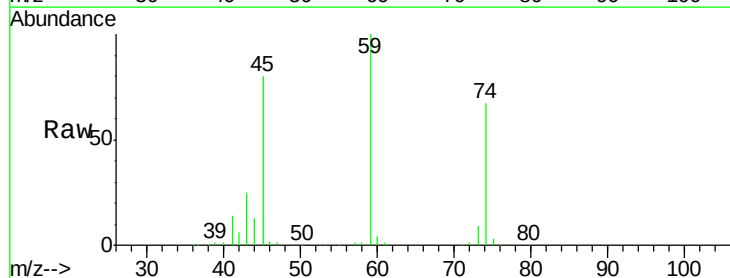
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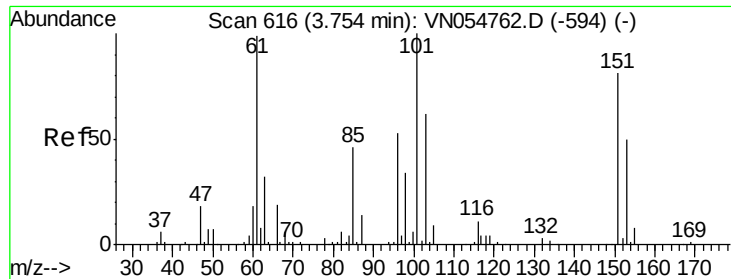


#8

Diethyl Ether
 Concen: 55.867 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VN054888.D
 Acq: 1 Apr 2019 21:13

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		104057		
45	113.7	43.1	129.4		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.323 ug/l

RT: 3.75 min Scan# 616

Delta R.T. -0.00 min

Lab File: VN054888.D

Acq: 1 Apr 2019 21:13

Instrument :

MSVOA_N

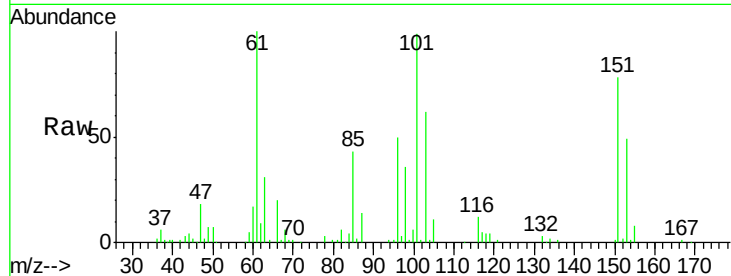
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	159326
Ion Ratio	Lower	Upper	
101	100		
85	45.9	32.4	48.6
151	80.1	68.2	102.2

Manual Integrations
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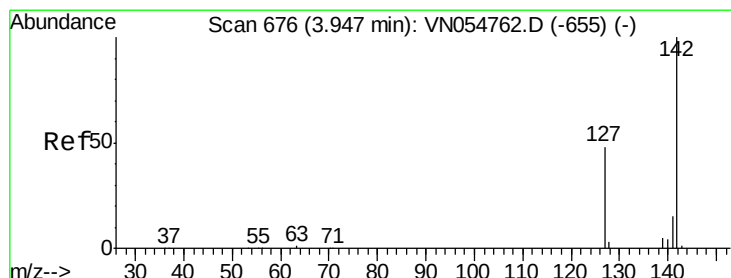
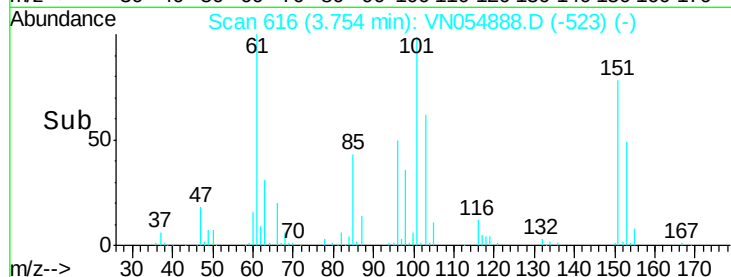
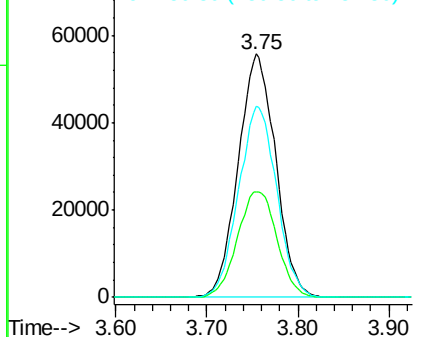
MMDadoda
4/2/2019 10:51:21 AM



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 53.957 ug/l

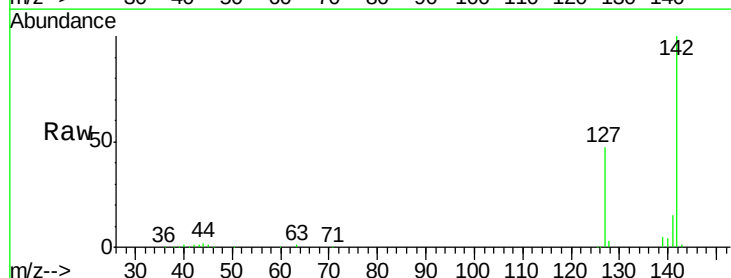
RT: 3.95 min Scan# 676

Delta R.T. -0.00 min

Lab File: VN054888.D

Acq: 1 Apr 2019 21:13

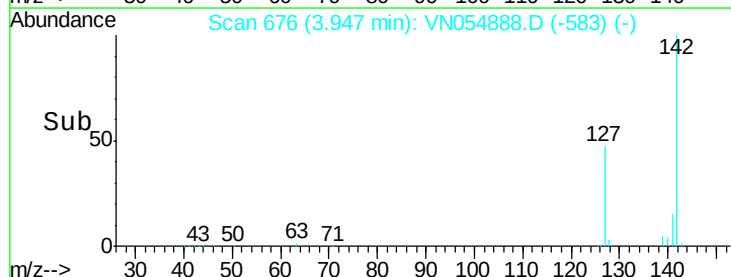
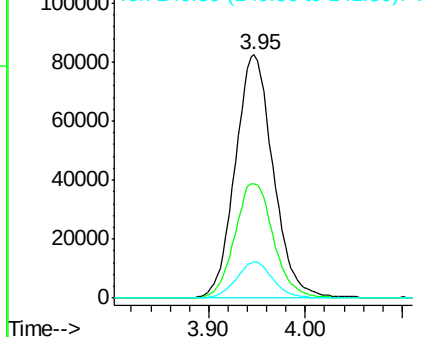
Tgt Ion:	142	Resp:	224922
Ion Ratio	Lower	Upper	
142	100		
127	48.2	30.3	45.5#
141	14.4	11.2	16.8

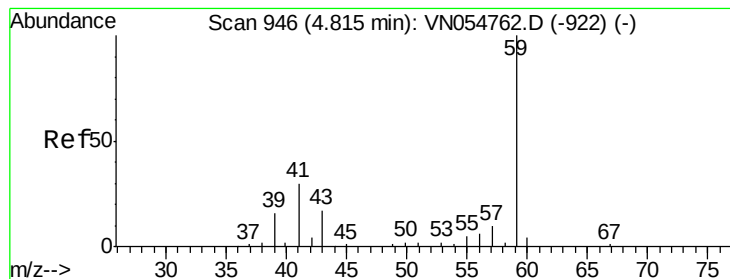


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

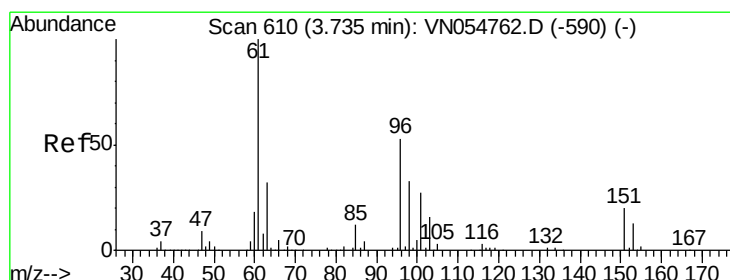
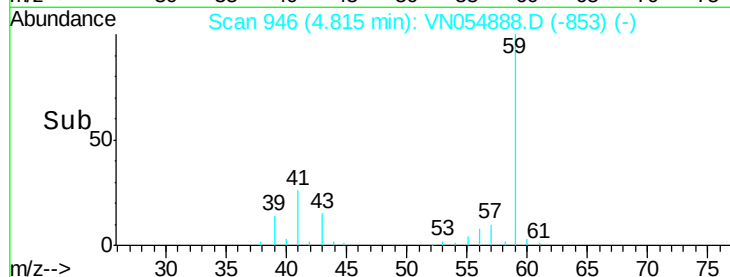
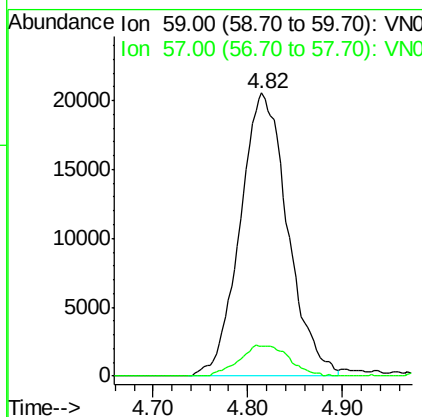
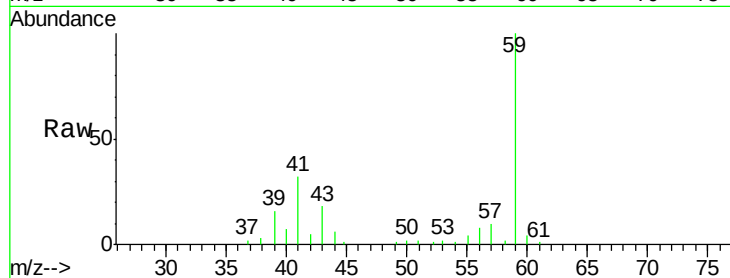
Tert butyl alcohol
Concen: 272.260 ug/l
RT: 4.82 min Scan# 946
Delta R.T. -0.00 min
Lab File: VN054888.D
Acq: 1 Apr 2019 21:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 59 Resp: 71633
Ion Ratio Lower Upper
59 100
57 6.0 9.0 13.6#

Manual Integrations
APPROVED

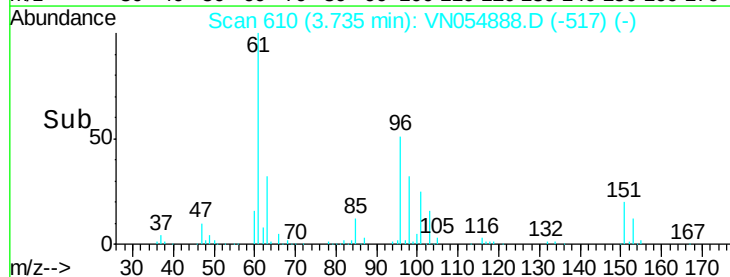
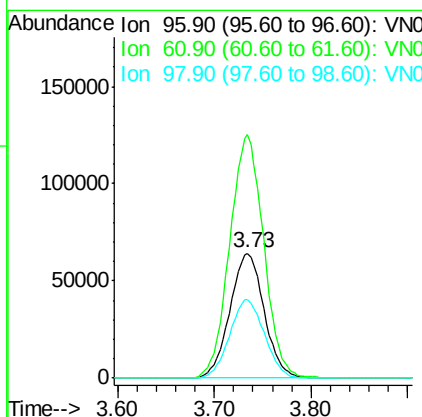
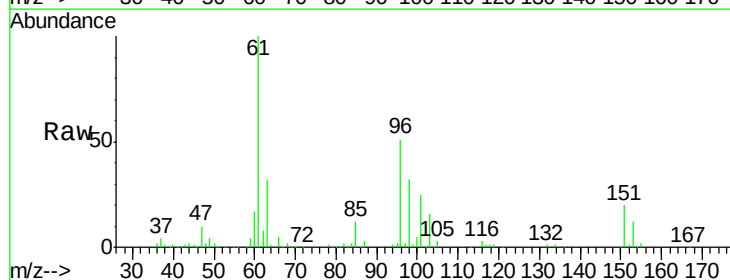
MMDadoda
4/2/2019 10:51:21 AM

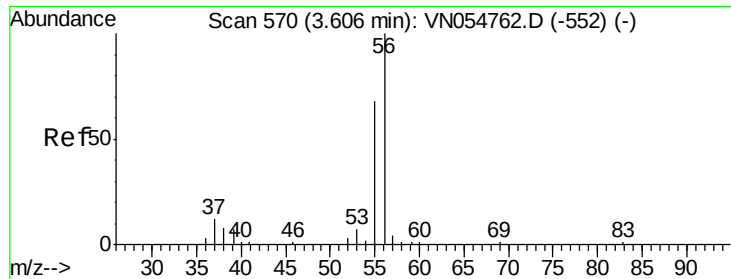


#12

1,1-Dichloroethene
Concen: 53.680 ug/l
RT: 3.73 min Scan# 610
Delta R.T. -0.00 min
Lab File: VN054888.D
Acq: 1 Apr 2019 21:13

Tgt Ion: 96 Resp: 158069
Ion Ratio Lower Upper
96 100
61 194.7 116.5 174.7#
98 62.6 51.0 76.4





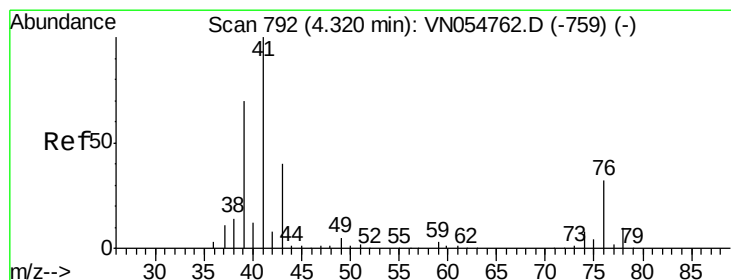
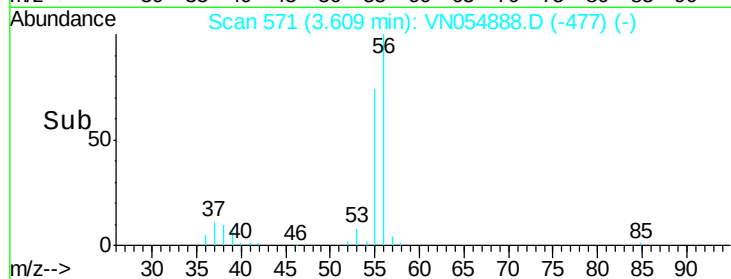
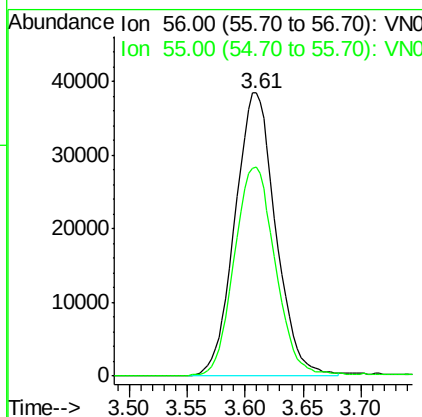
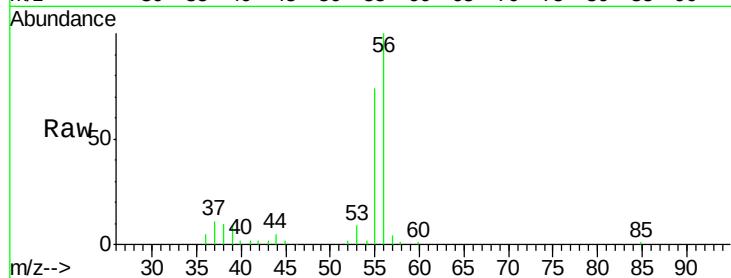
#13
Acrolein
Concen: 399.721 ug/l
RT: 3.61 min Scan# 571
Delta R.T. 0.00 min
Lab File: VN054888.D
Acq: 1 Apr 2019 21:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	56	Resp	94019
Ion Ratio	100	Lower	Upper
56	100		
55	74.7	56.7	85.1

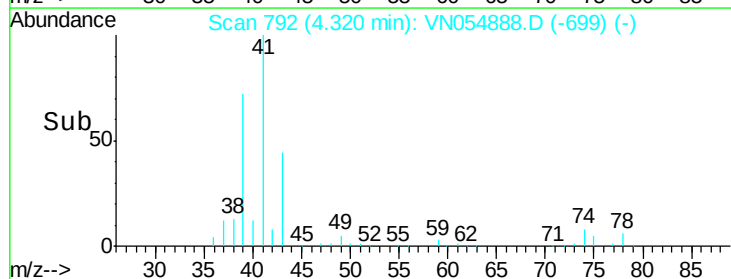
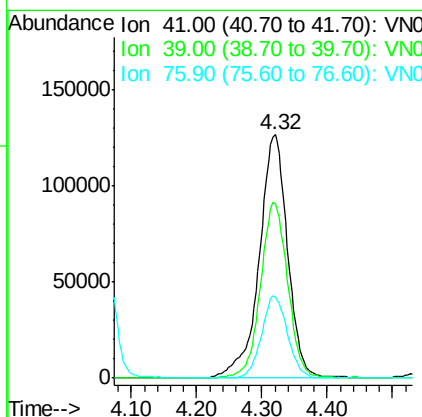
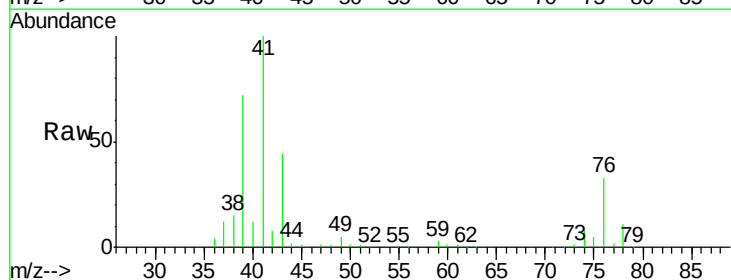
Manual Integrations
APPROVED

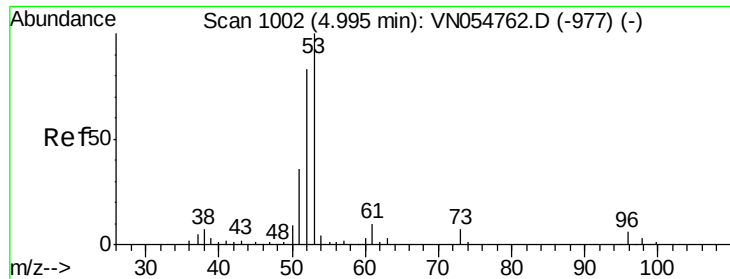
MMDadoda
4/2/2019 10:51:21 AM



#14
Allyl chloride
Concen: 52.730 ug/l
RT: 4.32 min Scan# 792
Delta R.T. -0.00 min
Lab File: VN054888.D
Acq: 1 Apr 2019 21:13

Tgt Ion	41	Resp	382453
Ion Ratio	100	Lower	Upper
41	100		
39	69.3	58.2	87.4
76	30.9	31.7	47.5#





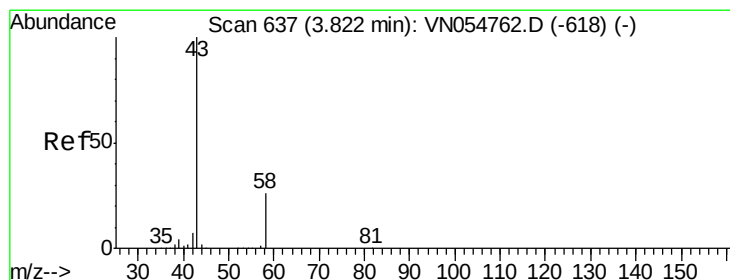
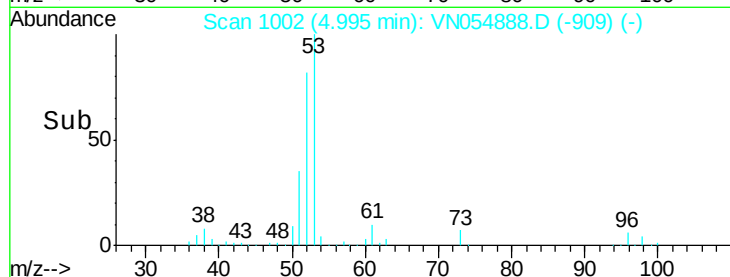
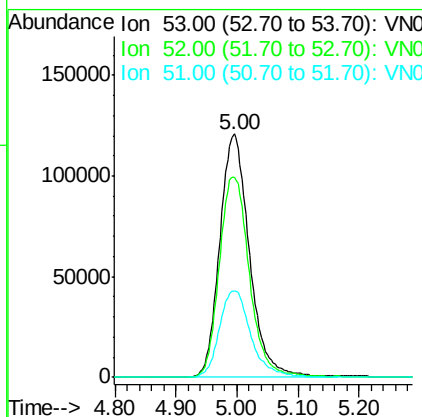
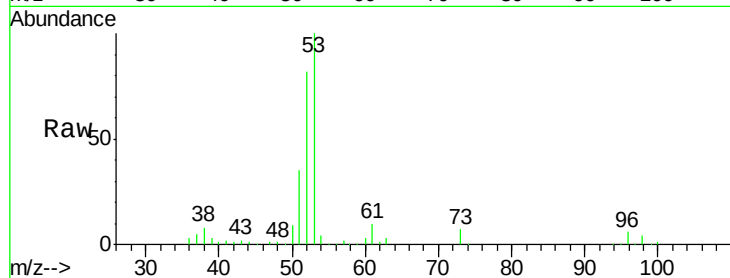
#15
 Acrylonitrile
 Concen: 279.766 ug/l
 RT: 5.00 min Scan# 1002
 Delta R.T. -0.00 min
 Lab File: VN054888.D
 Acq: 1 Apr 2019 21:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
53	100		
52	83.4	66.4	99.6
51	37.7	29.6	44.4

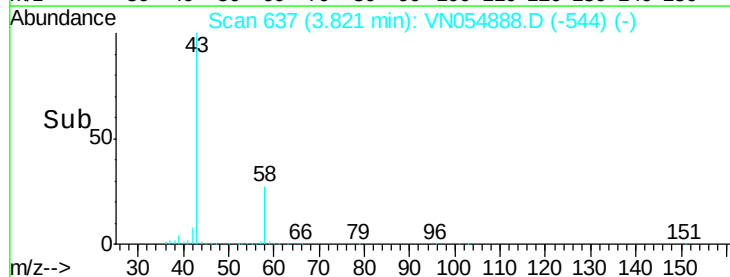
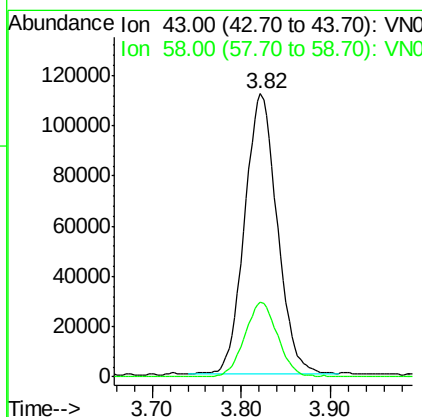
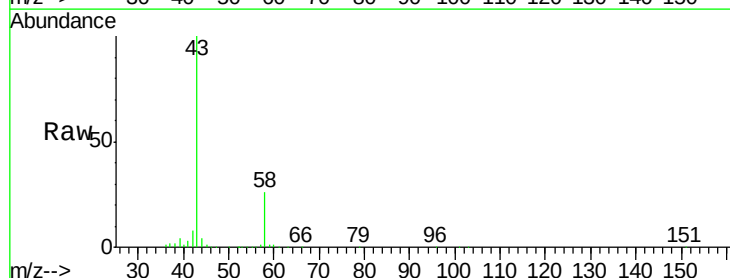
Manual Integrations
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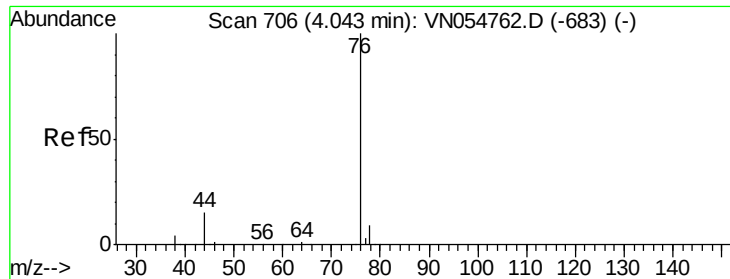
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#16
 Acetone
 Concen: 236.654 ug/l
 RT: 3.82 min Scan# 637
 Delta R.T. -0.00 min
 Lab File: VN054888.D
 Acq: 1 Apr 2019 21:13

Tgt Ion	Ratio	Lower	Upper
43	100		
58	26.7	29.9	44.9#





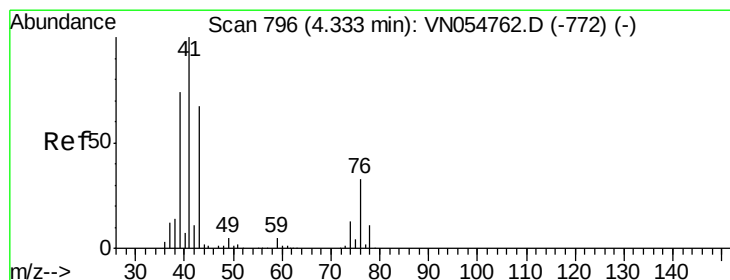
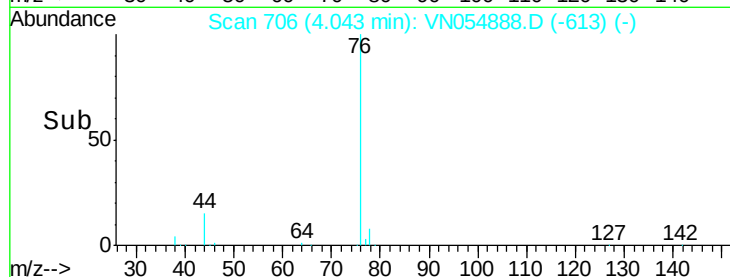
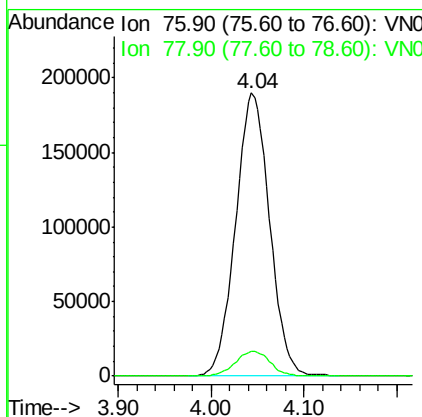
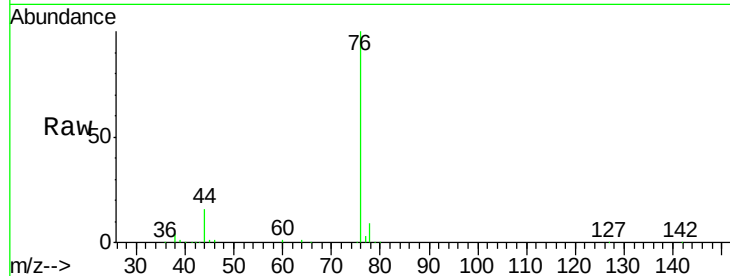
#17
Carbon Disulfide
Concen: 50.558 ug/l
RT: 4.04 min Scan# 706
Delta R.T. -0.00 min
Lab File: VN054888.D
Acq: 1 Apr 2019 21:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 76 Resp: 482870
Ion Ratio Lower Upper
76 100
78 8.6 7.5 11.3

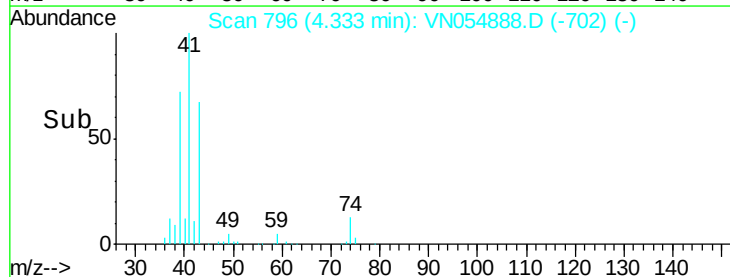
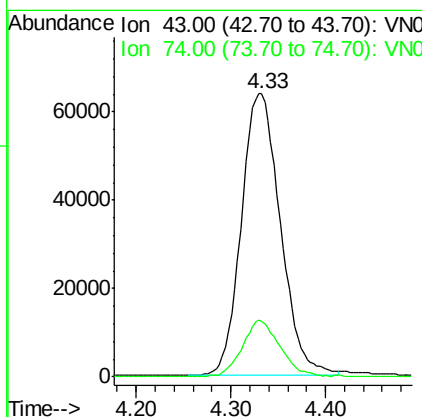
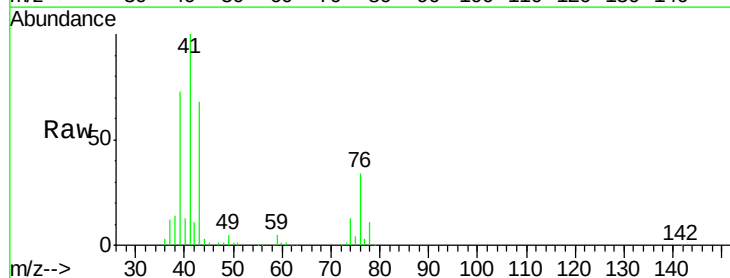
Manual Integrations
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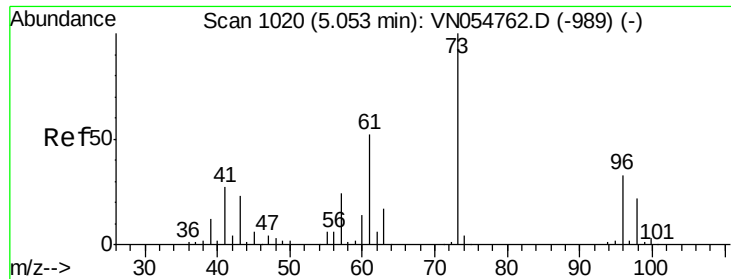
MMDadoda
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#18
Methyl Acetate
Concen: 58.634 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.00 min
Lab File: VN054888.D
Acq: 1 Apr 2019 21:13

Tgt Ion: 43 Resp: 183410
Ion Ratio Lower Upper
43 100
74 19.4 20.8 31.2#





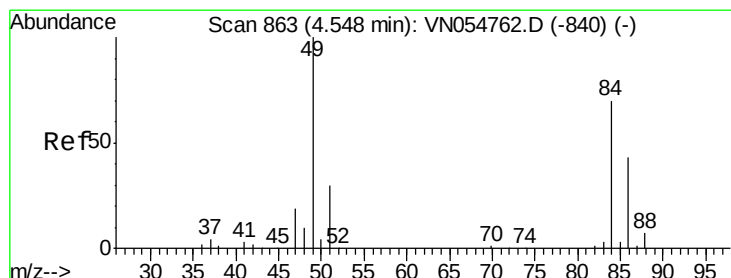
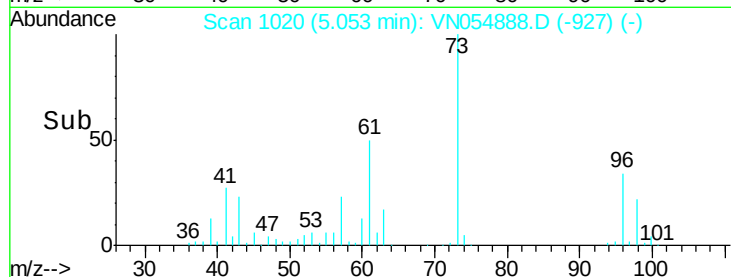
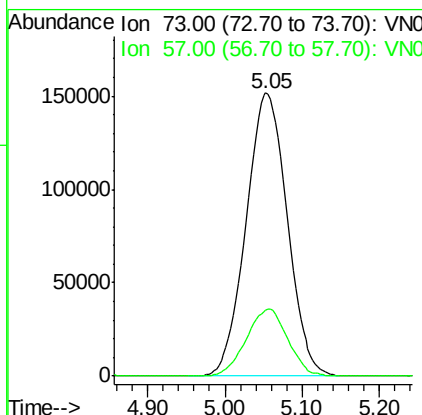
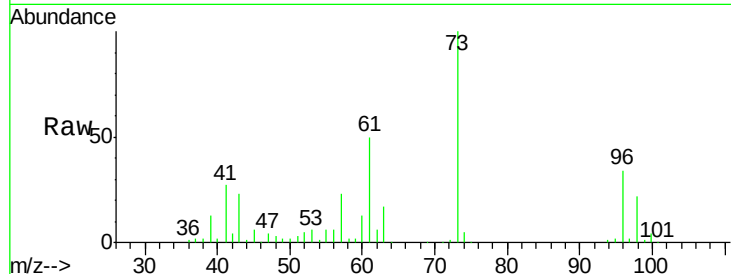
#19
Methyl tert-butyl Ether
Concen: 54.615 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VN054888.D
Acq: 1 Apr 2019 21:13

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion: 73 Resp: 562549
Ion Ratio Lower Upper
73 100
57 23.1 16.8 25.2

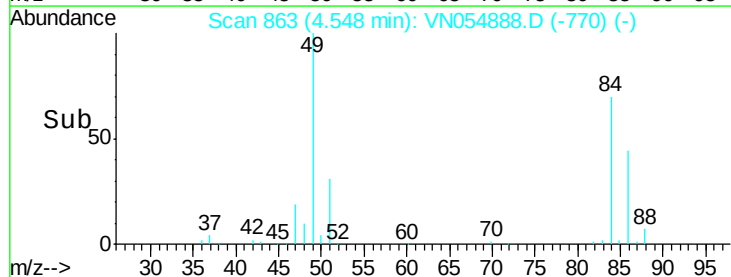
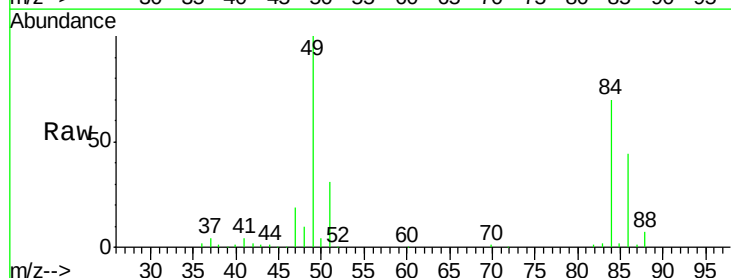
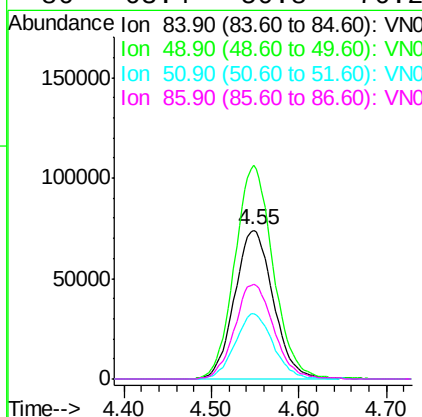
Manual Integrations
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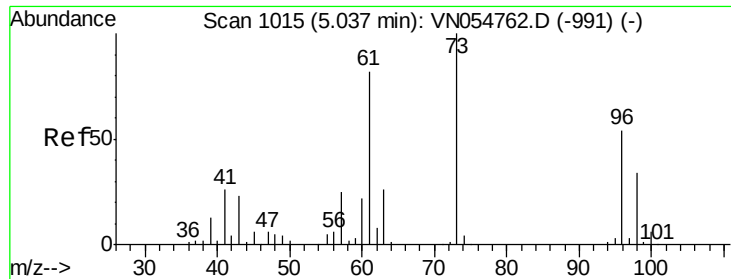
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#20
Methylene Chloride
Concen: 53.593 ug/l
RT: 4.55 min Scan# 863
Delta R.T. -0.00 min
Lab File: VN054888.D
Acq: 1 Apr 2019 21:13

Tgt Ion: 84 Resp: 227648
Ion Ratio Lower Upper
84 100
49 143.3 89.7 134.5#
51 44.2 28.2 42.4#
86 63.4 50.8 76.2





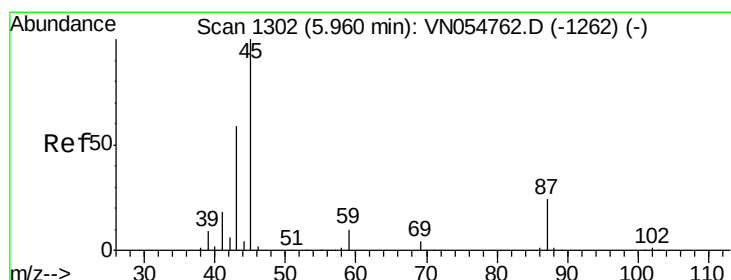
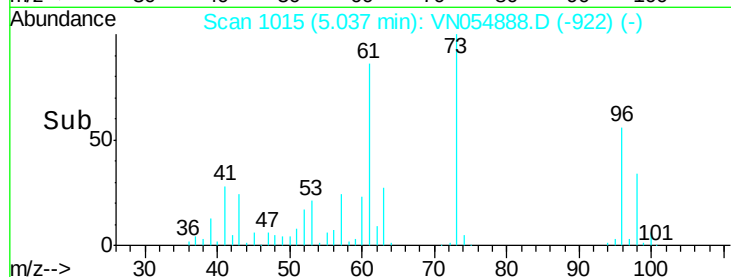
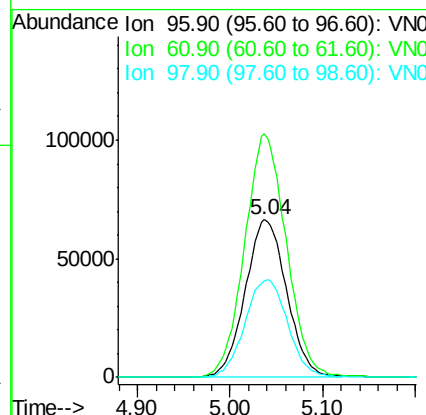
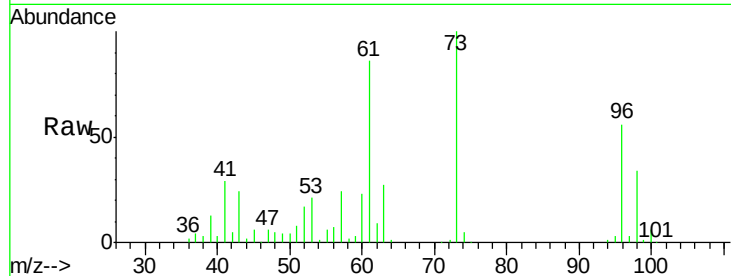
#21
trans-1,2-Dichloroethene
Concen: 53.416 ug/l
RT: 5.04 min Scan# 1015
Delta R.T. -0.00 min
Lab File: VN054888.D
Acq: 1 Apr 2019 21:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	154.3	102.8	154.2#
98	60.7	50.0	75.0

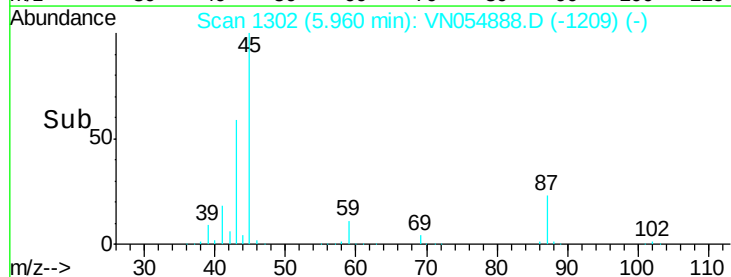
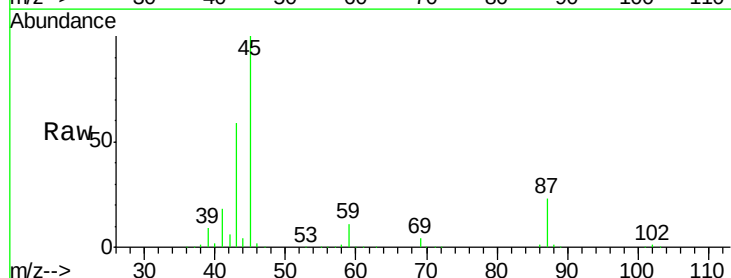
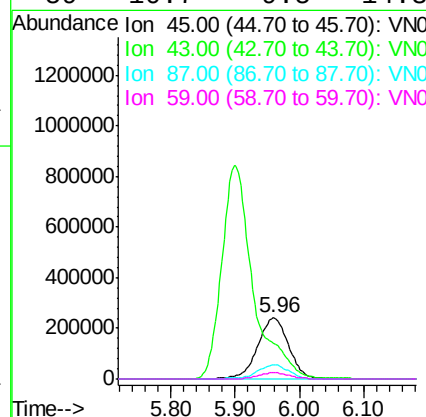
Manual Integrations
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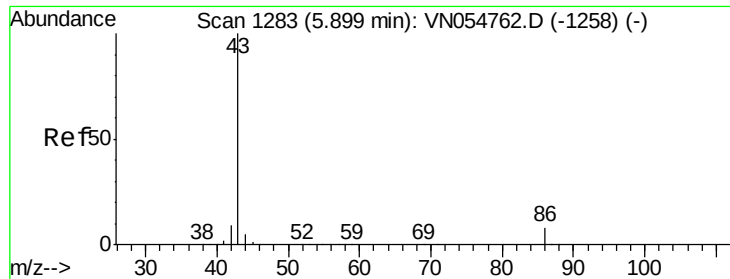
MMDadoda
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#22
Diisopropyl ether
Concen: 56.604 ug/l
RT: 5.96 min Scan# 1302
Delta R.T. -0.00 min
Lab File: VN054888.D
Acq: 1 Apr 2019 21:13

Tgt Ion	Ratio	Lower	Upper
45	100		
43	58.4	48.2	72.2
87	22.9	24.9	37.3#
59	10.7	9.5	14.3





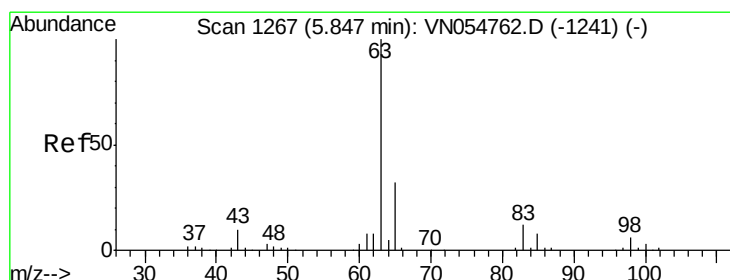
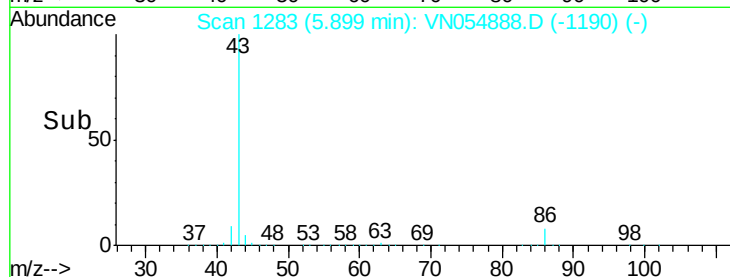
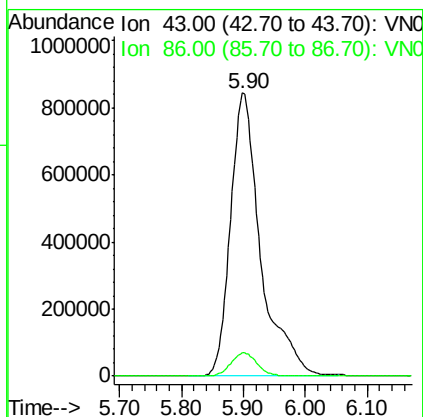
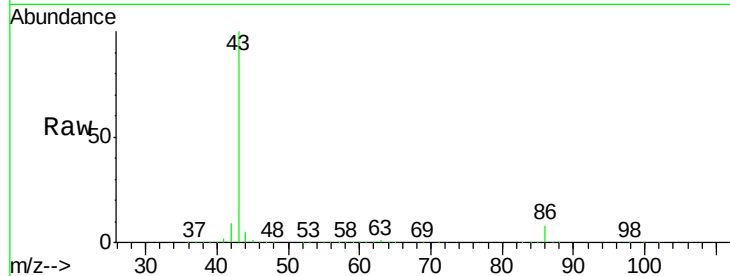
#23
 Vinyl Acetate
 Concen: 286.516 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. -0.00 min
 Lab File: VN054888.D
 Acq: 1 Apr 2019 21:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 2860286
 Ion Ratio Lower Upper
 43 100
 86 8.3 9.1 13.7#

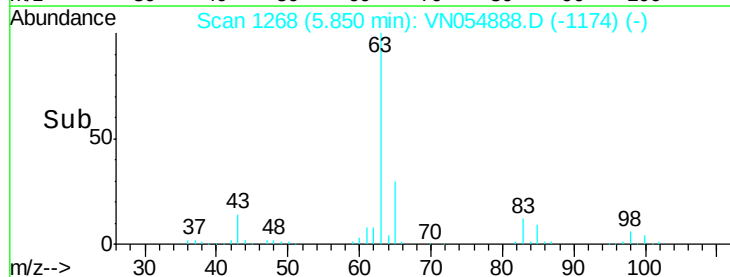
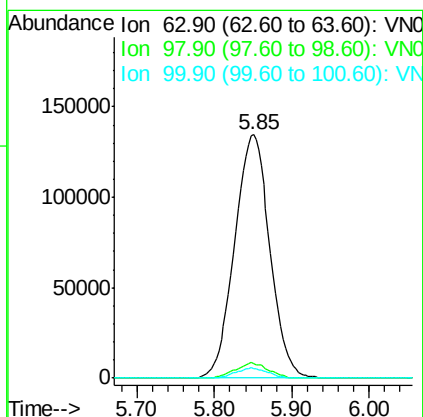
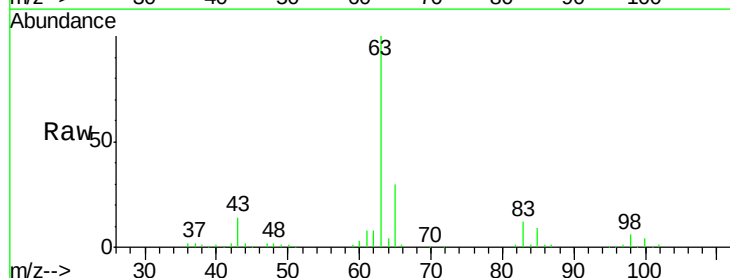
Manual Integrations
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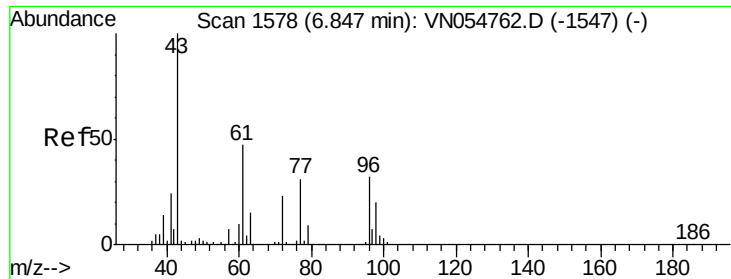
MMDadoda
 4/2/2019 10:51:21 AM



#24
 1,1-Dichloroethane
 Concen: 55.601 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VN054888.D
 Acq: 1 Apr 2019 21:13

Tgt Ion: 63 Resp: 425477
 Ion Ratio Lower Upper
 63 100
 98 5.8 3.5 10.5
 100 4.1 2.0 6.0





#25

2-Butanone

Concen: 280.168 ug/l

RT: 6.85 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VN054888.D

Acq: 1 Apr 2019 21:13

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050EC

Tot Ion: 43 Resp: 498713

Ion Ratio Lower Upper

43 100

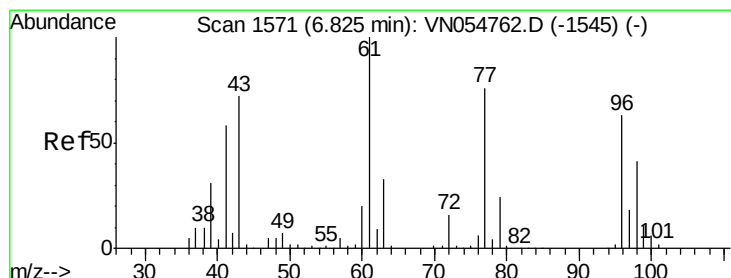
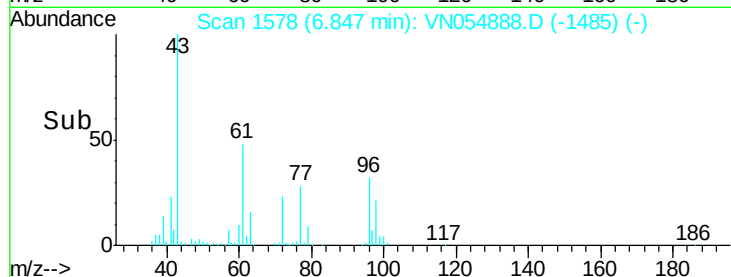
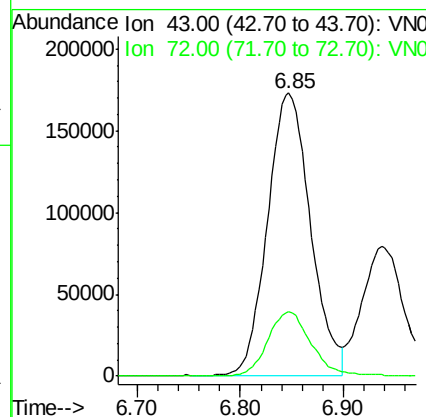
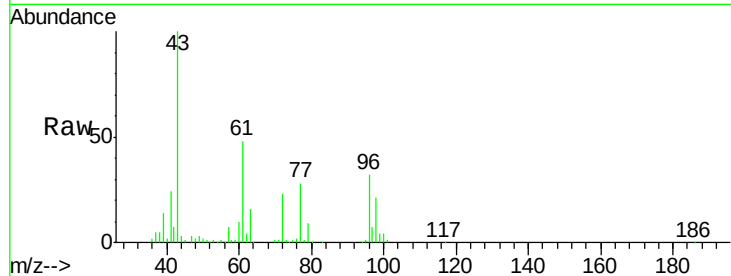
72 22.7 23.0 34.6#

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 51.175 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN054888.D

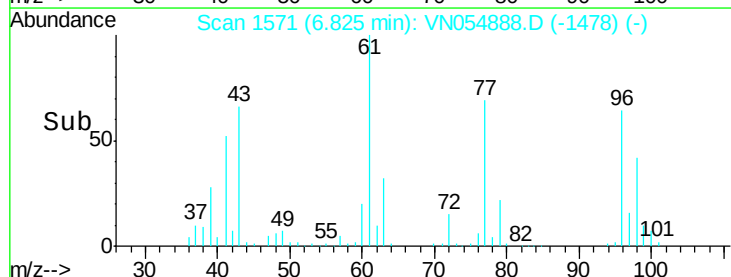
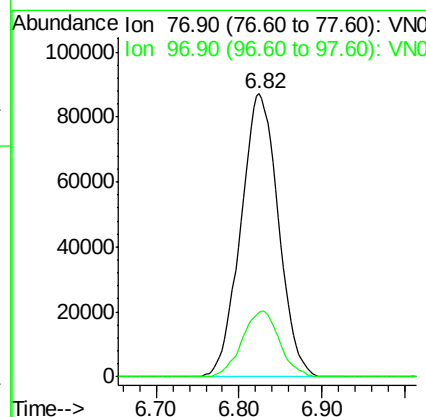
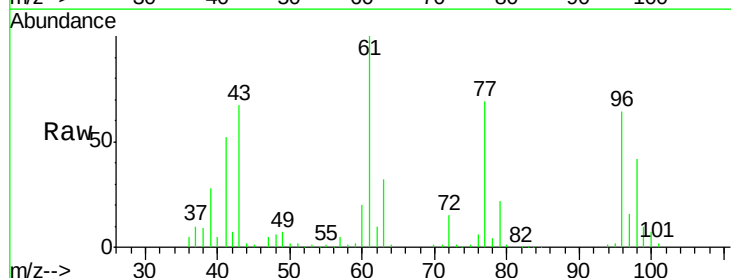
Acq: 1 Apr 2019 21:13

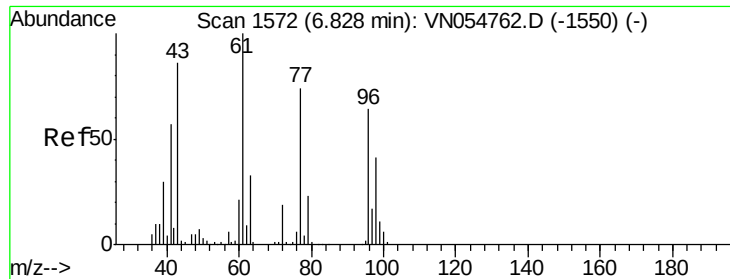
Tgt Ion: 77 Resp: 274476

Ion Ratio Lower Upper

77 100

97 23.2 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 55.588 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN054888.D

Acq: 1 Apr 2019 21:13

Instrument :

MSVOA_N

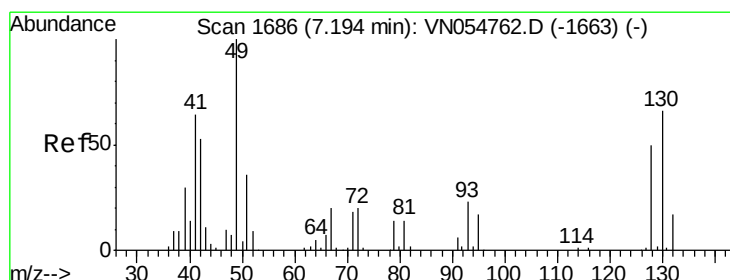
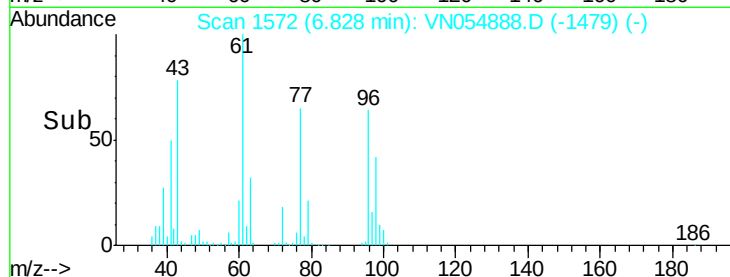
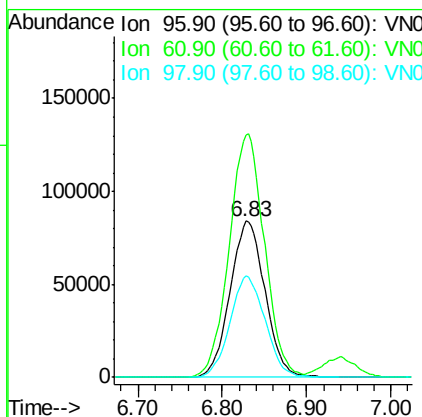
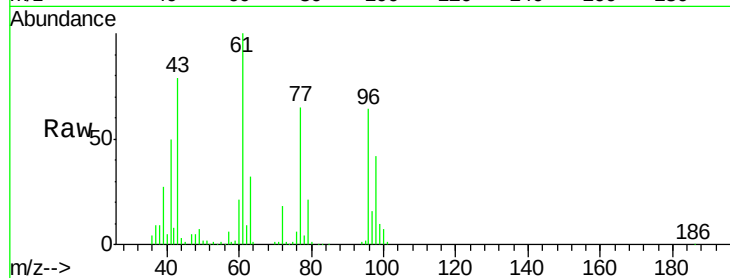
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	242881
Ion	Ratio	Lower	Upper
96	100		
61	156.6	0.0	273.0
98	65.1	0.0	130.6

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#28

Bromochloromethane

Concen: 56.352 ug/l

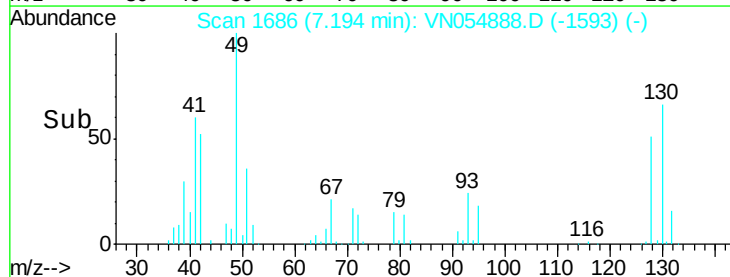
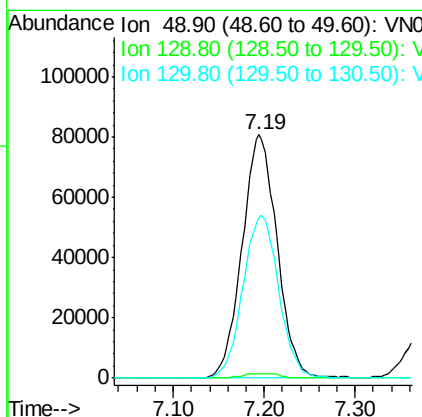
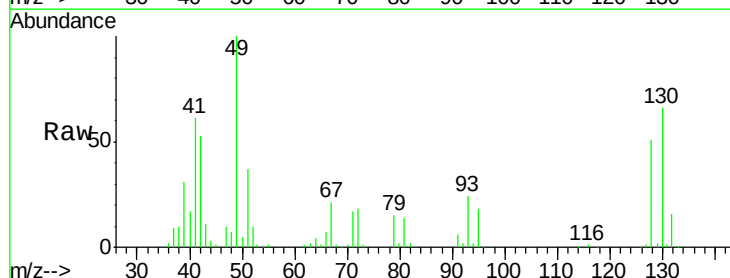
RT: 7.19 min Scan# 1686

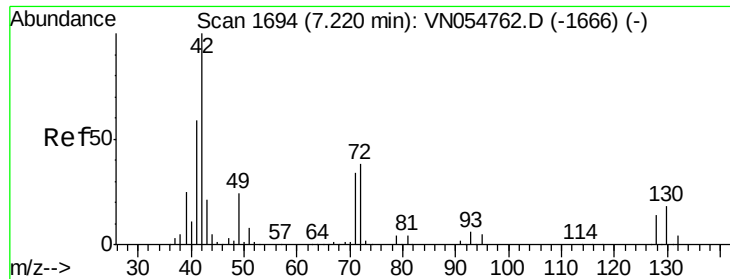
Delta R.T. -0.00 min

Lab File: VN054888.D

Acq: 1 Apr 2019 21:13

Tgt Ion:	49	Resp:	215630
Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.6
130	68.0	76.7	115.1#





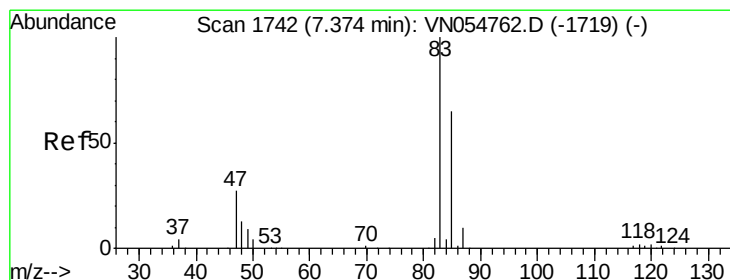
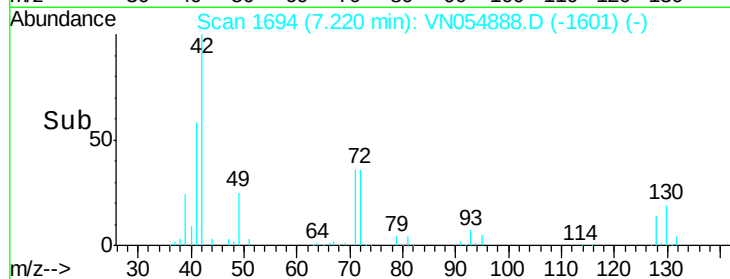
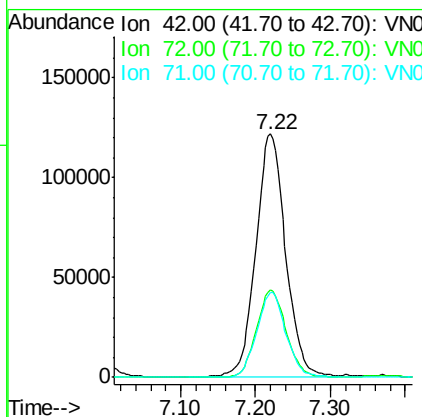
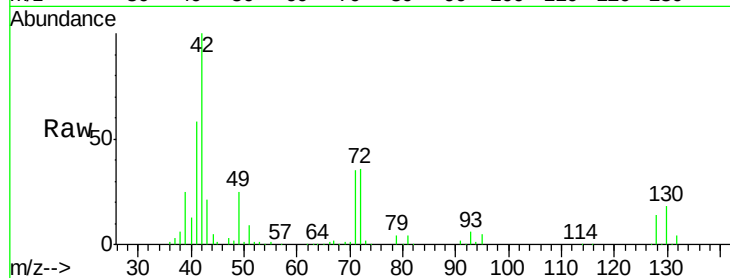
#29
Tetrahydrofuran
Concen: 272.454 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. -0.00 min
Lab File: VN054888.D
Acq: 1 Apr 2019 21:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.0	37.8	56.6#
71	34.4	36.2	54.2#

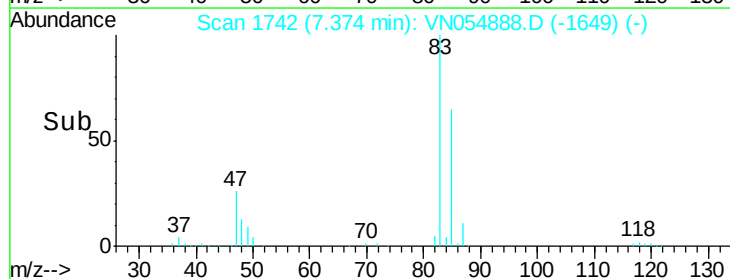
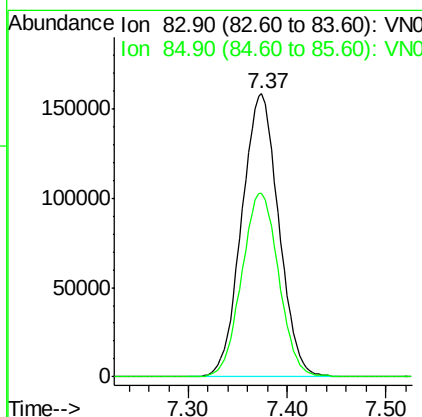
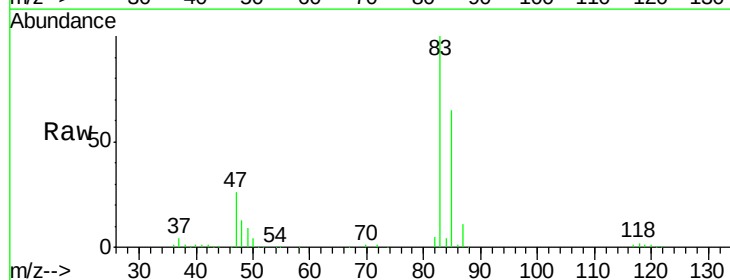
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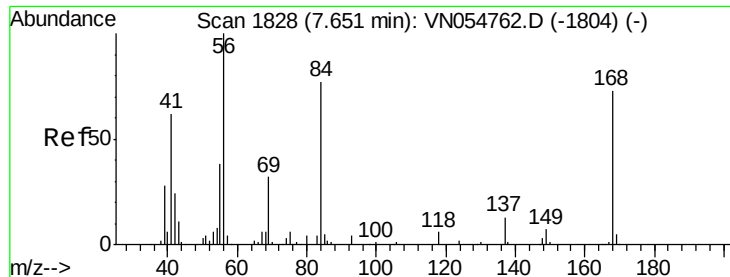
MMDadoda
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#30
Chloroform
Concen: 56.321 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VN054888.D
Acq: 1 Apr 2019 21:13

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	52.2	78.4





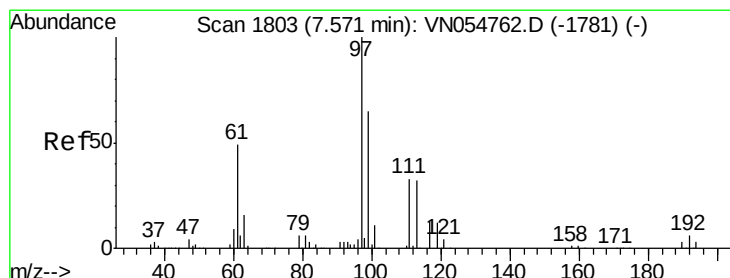
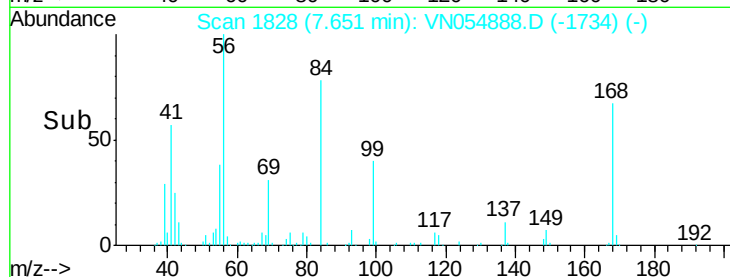
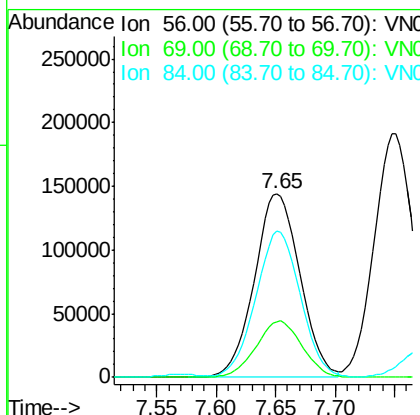
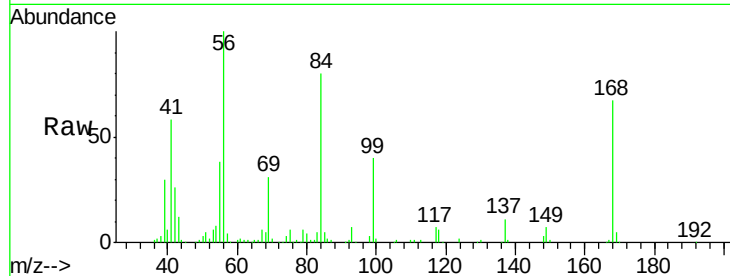
#31
Cyclohexane
Concen: 55.047 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN054888.D
Acq: 1 Apr 2019 21:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.5	27.8	41.6
84	78.3	74.6	111.8

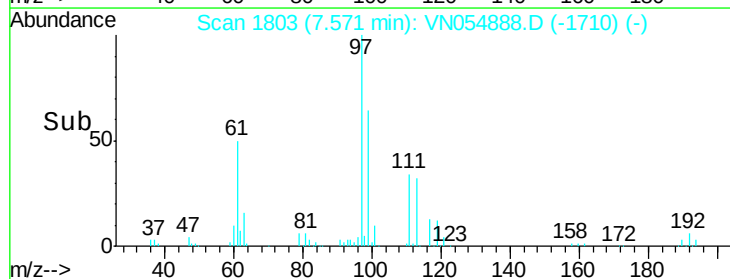
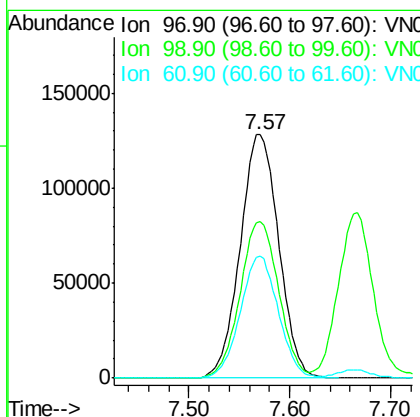
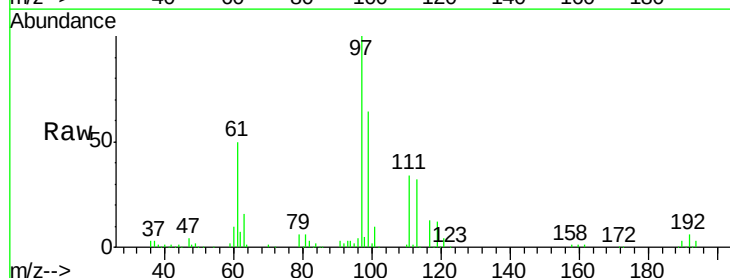
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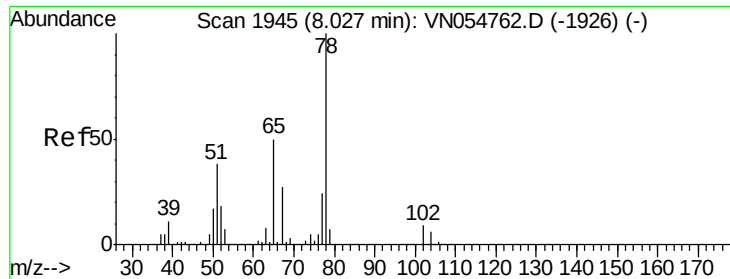
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#32
1,1,1-Trichloroethane
Concen: 56.171 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VN054888.D
Acq: 1 Apr 2019 21:13

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.5	77.3
61	49.3	33.6	50.4





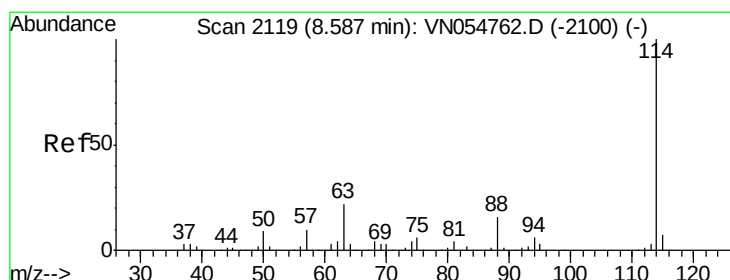
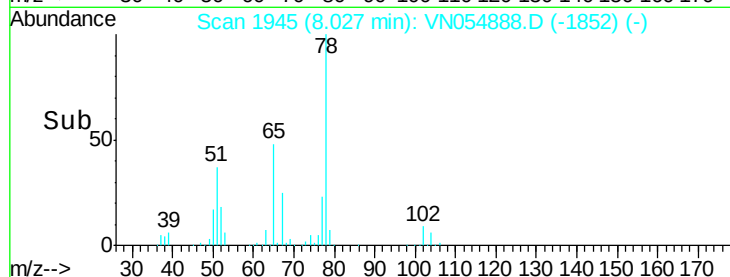
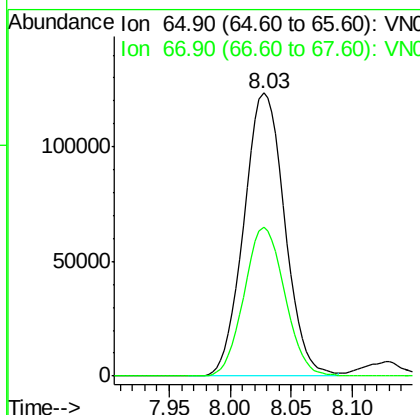
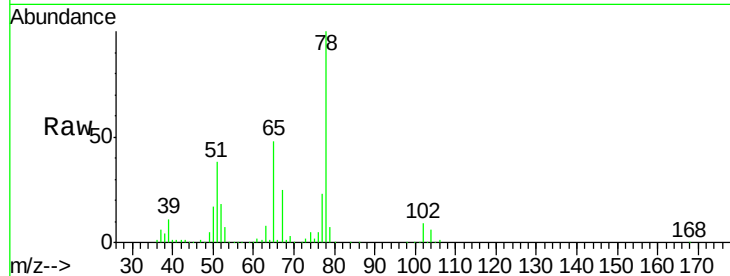
#33
 1,2-Dichloroethane-d4
 Concen: 56.662 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN054888.D
 Acq: 1 Apr 2019 21:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	286133		
67	52.6	0.0	104.6	

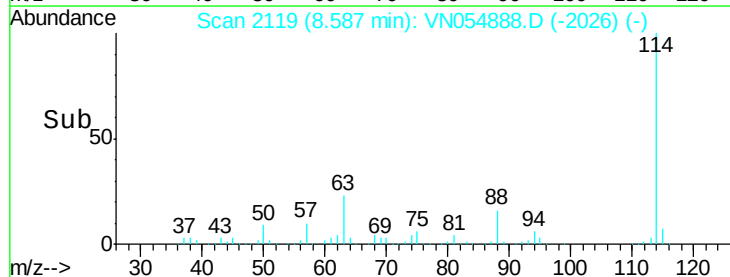
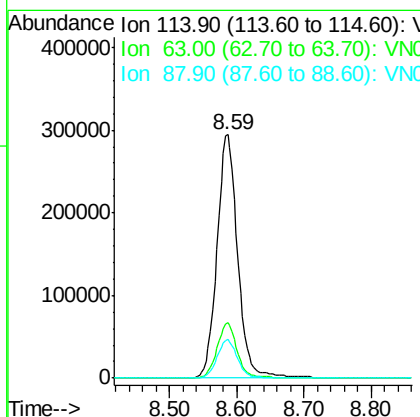
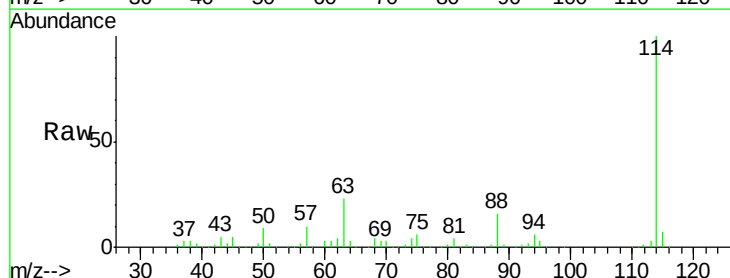
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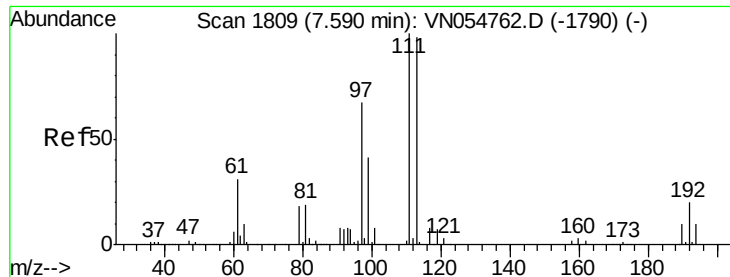
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054888.D
 Acq: 1 Apr 2019 21:13

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	633241		
63	22.7	0.0	35.2	
88	16.0	0.0	30.2	





#35

Dibromofluoromethane

Concen: 54.039 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN054888.D

Acq: 1 Apr 2019 21:13

Instrument :

MSVOA_N

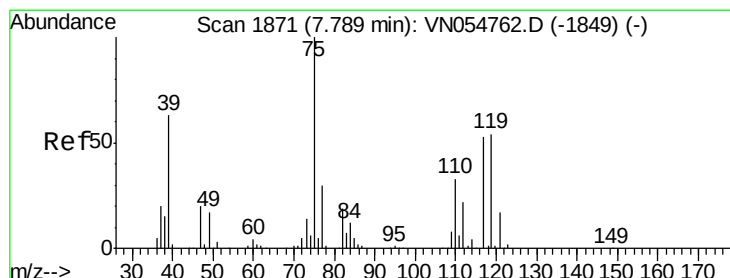
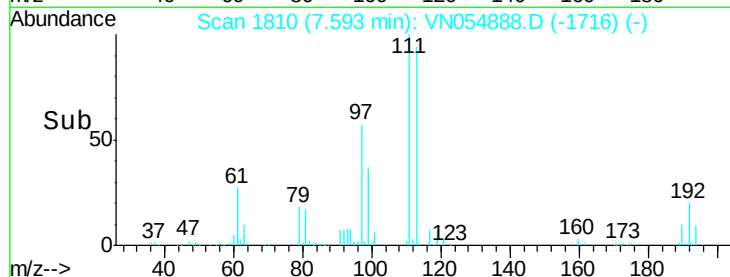
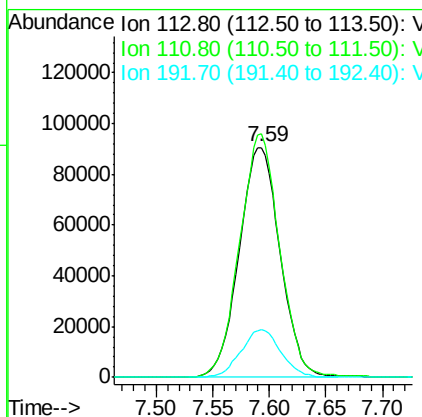
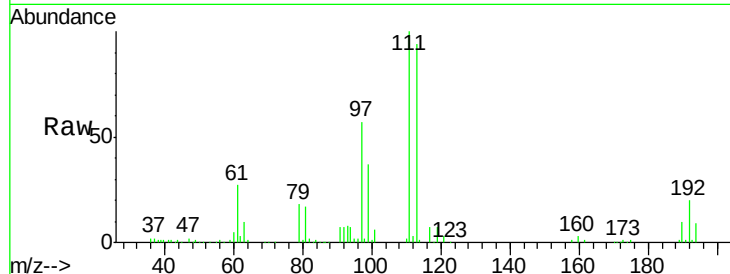
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	228140
Ion Ratio	Lower	Upper	
113	100		
111	103.3	82.2	123.4
192	20.3	19.2	28.8

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 51.676 ug/l

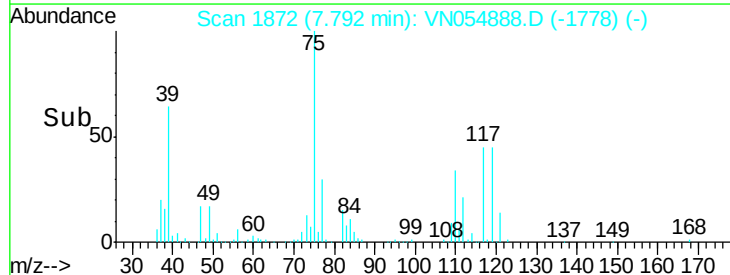
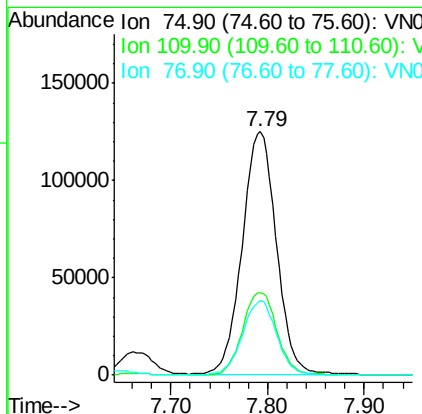
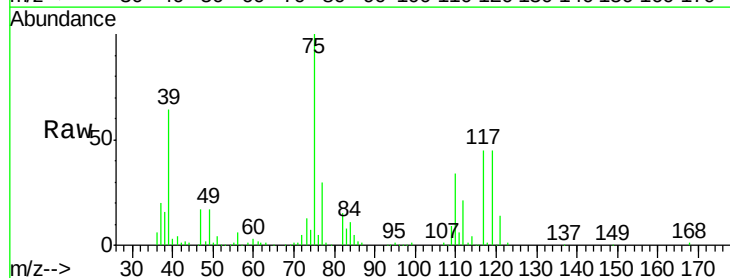
RT: 7.79 min Scan# 1872

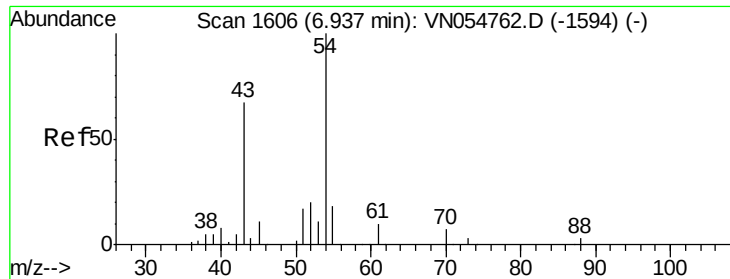
Delta R.T. 0.00 min

Lab File: VN054888.D

Acq: 1 Apr 2019 21:13

Tgt Ion:	75	Resp:	304917
Ion Ratio	Lower	Upper	
75	100		
110	34.7	19.1	57.5
77	30.9	25.0	37.4





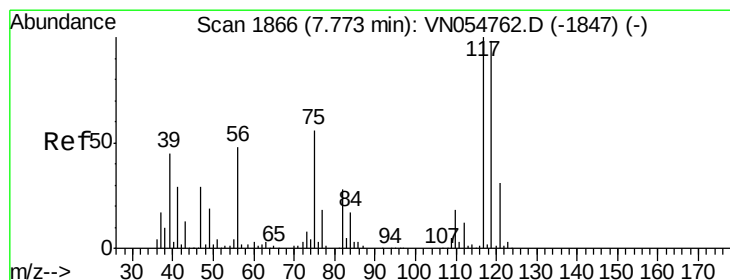
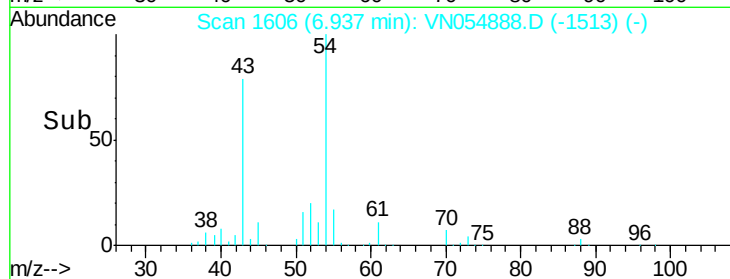
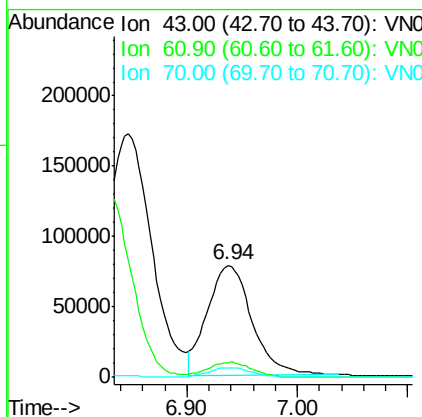
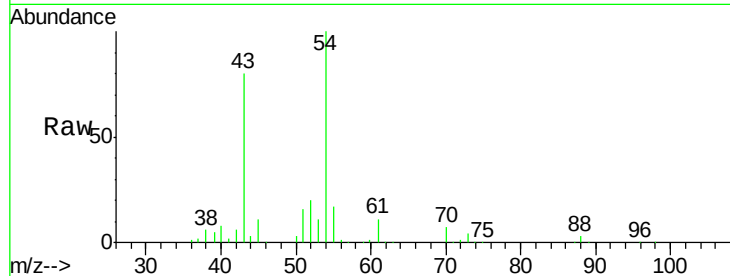
#37
Ethyl Acetate
Concen: 50.794 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. -0.00 min
Lab File: VN054888.D
Acq: 1 Apr 2019 21:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	61	70
Ion	43	61	70
Ratio	100	12.8	8.9
Lower		11.8	8.4
Upper		17.6	12.6

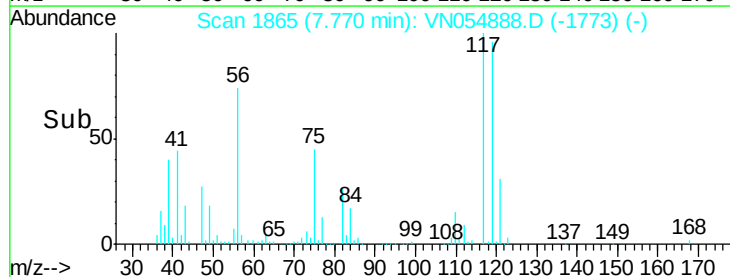
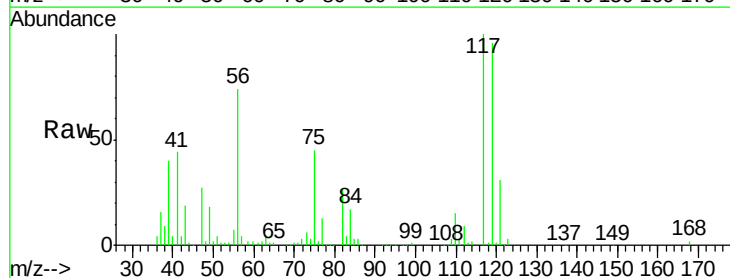
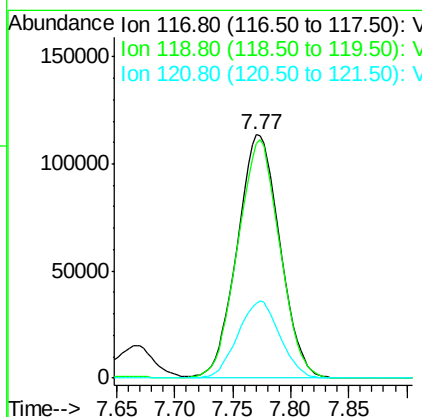
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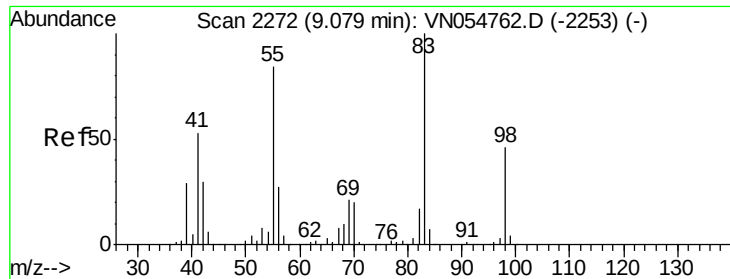
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#38
Carbon Tetrachloride
Concen: 50.513 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN054888.D
Acq: 1 Apr 2019 21:13

Tgt Ion	117	119	121
Ion	117	119	121
Ratio	100	96.2	30.8
Lower		76.3	24.6
Upper		114.5	36.8





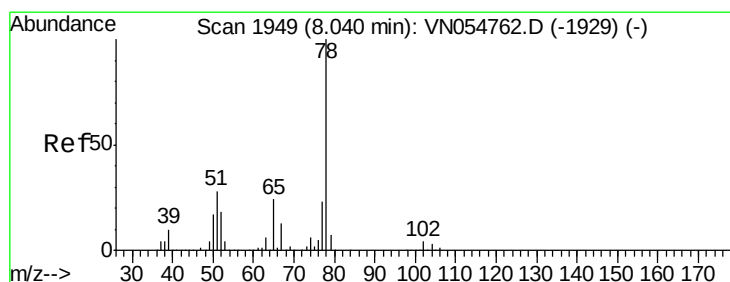
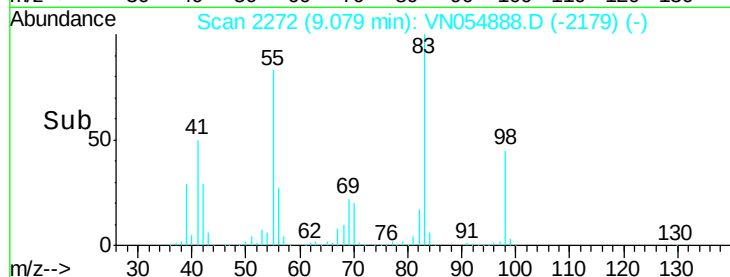
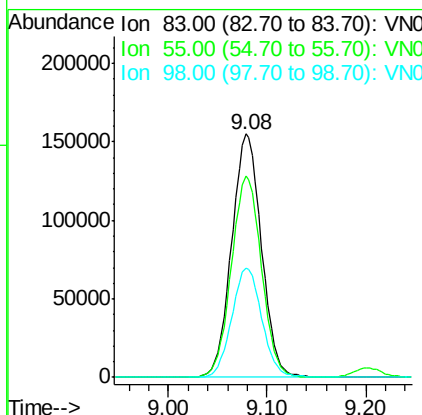
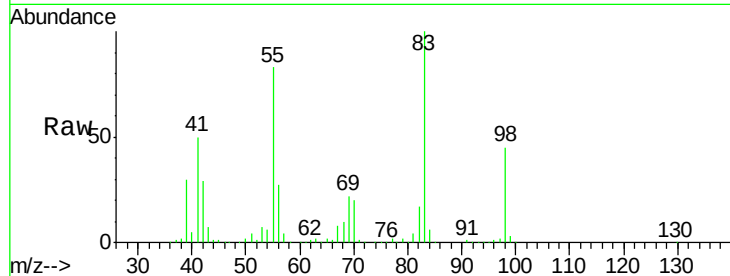
#39
Methylvlcyclohexane
Concen: 50.008 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN054888.D
Acq: 1 Apr 2019 21:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	82.5	56.6	84.8	
98	44.9	38.4	57.6	

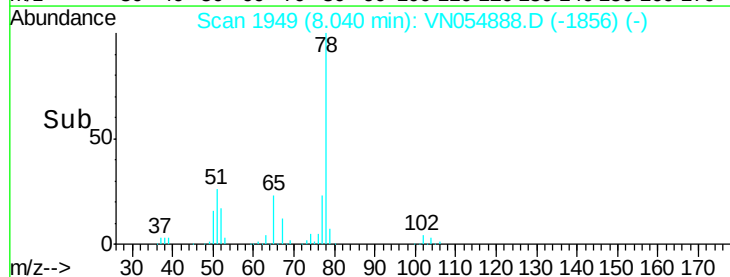
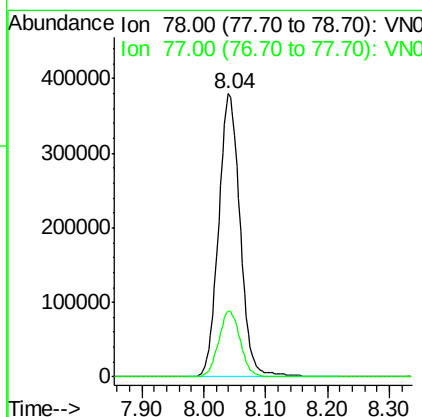
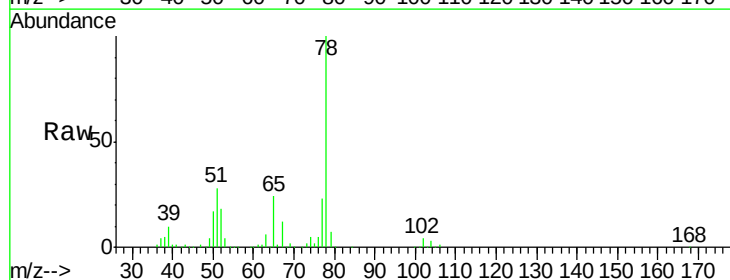
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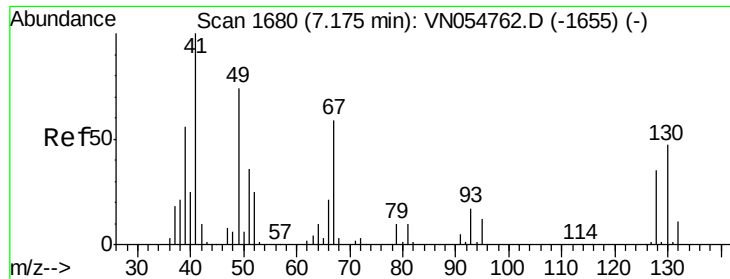
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#40
Benzene
Concen: 54.279 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN054888.D
Acq: 1 Apr 2019 21:13

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.3	19.1	28.7	





#41

Methacrylonitrile

Concen: 57.314 ug/l

RT: 7.17 min Scan# 1679

Delta R.T. -0.00 min

Lab File: VN054888.D

Acq: 1 Apr 2019 21:13

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050EC

Tot Ion: 41 Resp: 139314

Ion Ratio Lower Upper

41 100

39 56.3 46.8 70.2

67 63.8 67.0 100.4#

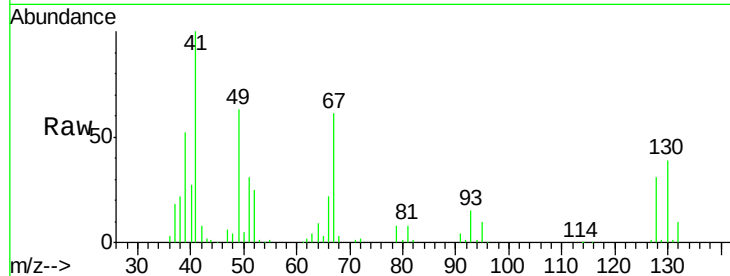
52 29.0 26.5 39.7

Manual Integrations

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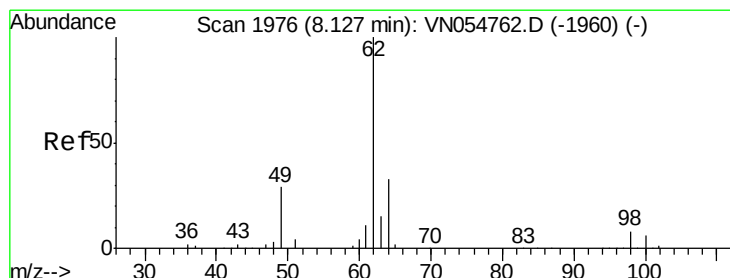
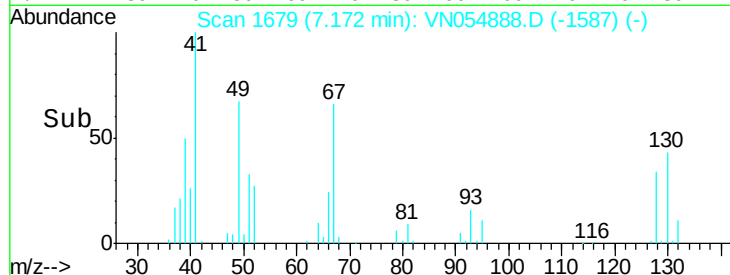
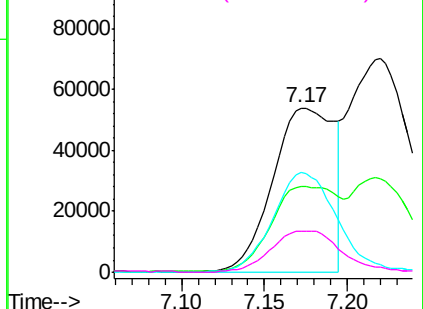


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#42

1,2-Dichloroethane

Concen: 53.535 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. -0.00 min

Lab File: VN054888.D

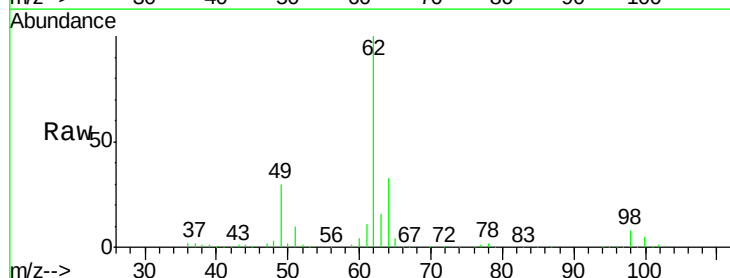
Acq: 1 Apr 2019 21:13

Tgt Ion: 62 Resp: 322737

Ion Ratio Lower Upper

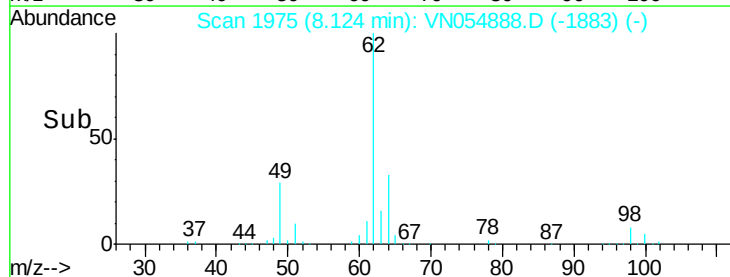
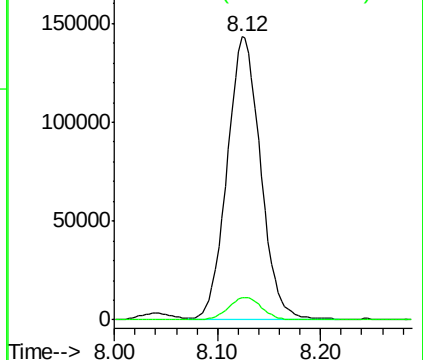
62 100

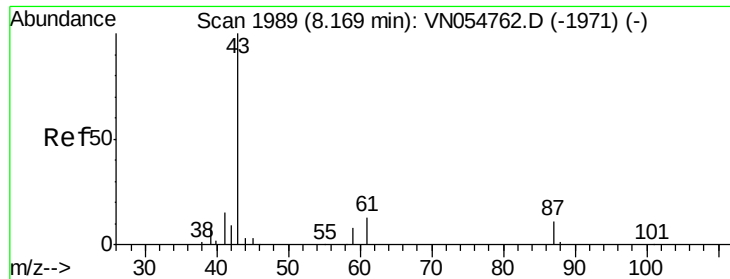
98 8.0 0.0 18.4



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





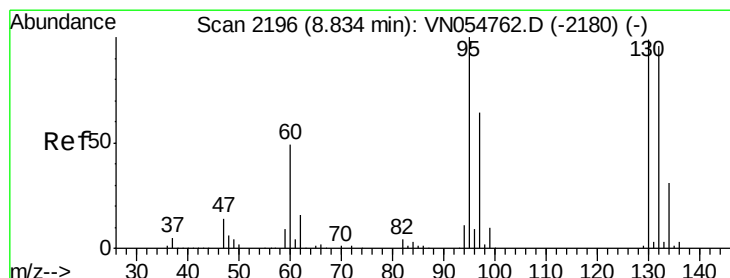
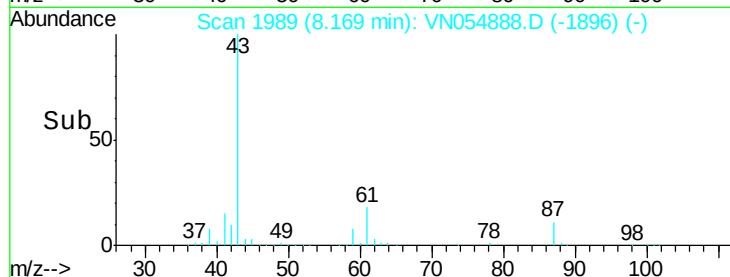
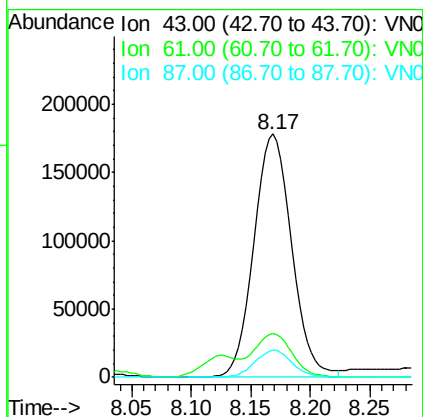
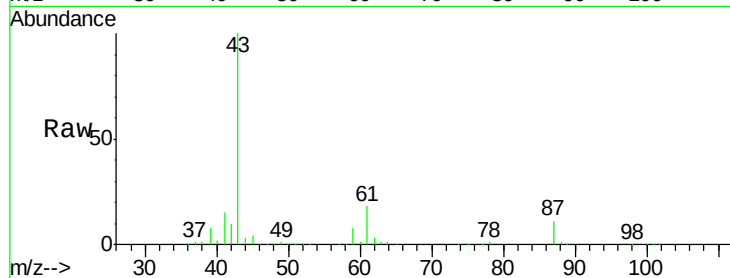
#43
Isopropyl Acetate
Concen: 55.768 ug/l
RT: 8.17 min Scan# 1989
Delta R.T. -0.00 min
Lab File: VN054888.D
Acq: 1 Apr 2019 21:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	17.9	15.8	23.8
87	11.2	12.0	18.0#

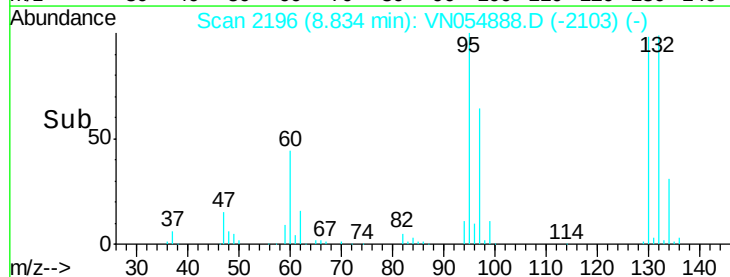
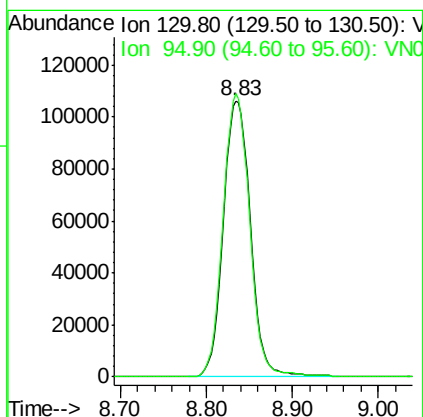
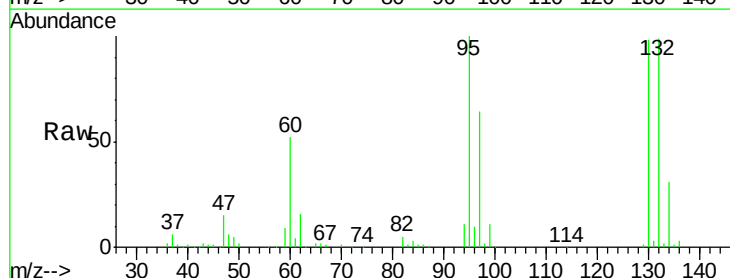
Manual Integrations
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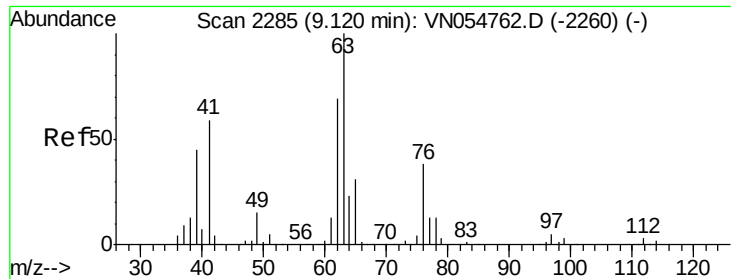
MMDadoda
4/2/2019 10:51:21 AM



#44
Trichloroethene
Concen: 53.290 ug/l
RT: 8.83 min Scan# 2196
Delta R.T. -0.00 min
Lab File: VN054888.D
Acq: 1 Apr 2019 21:13

Tgt Ion	Ratio	Lower	Upper
130	100		
95	102.5	0.0	185.2





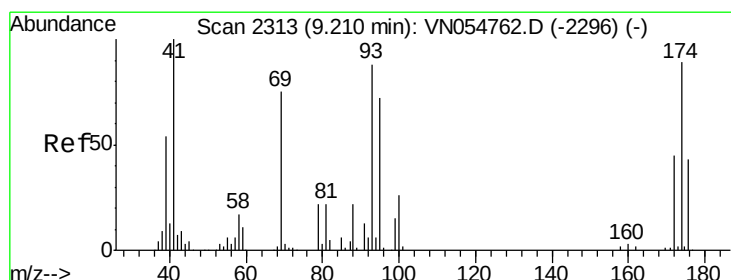
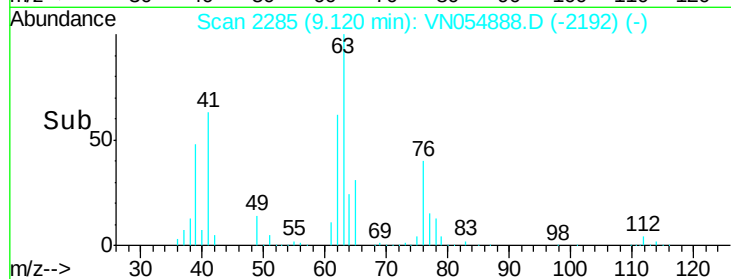
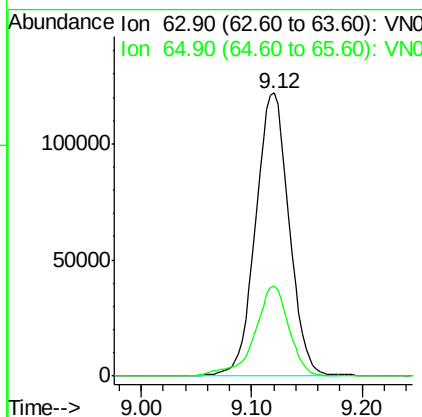
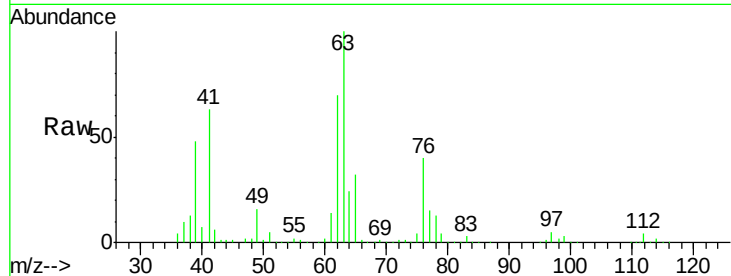
#45
 1,2-Dichloropropane
 Concen: 53.193 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN054888.D
 Acq: 1 Apr 2019 21:13

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.6	25.0	37.6

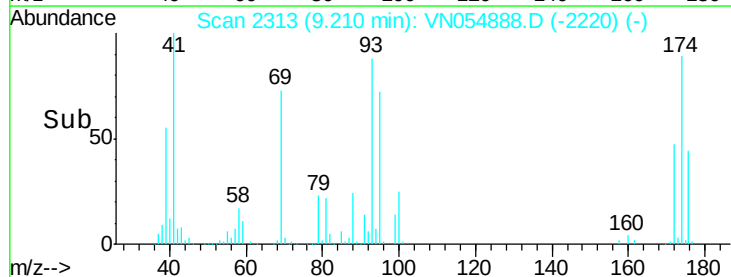
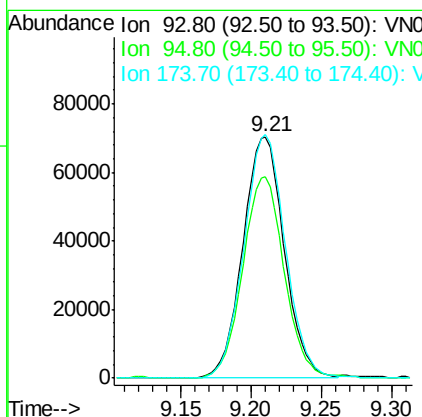
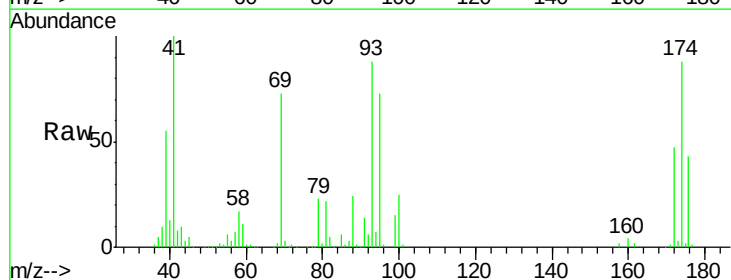
Manual Integrations
 APPROVED

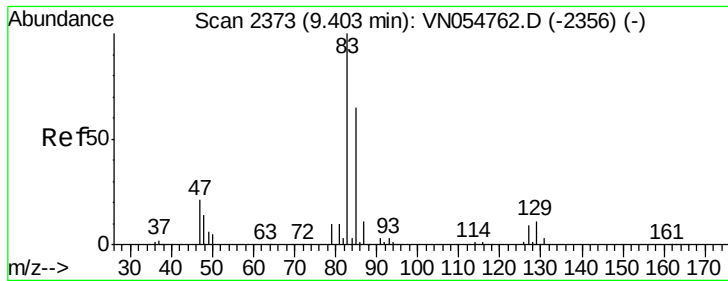
MMDadoda
 4/2/2019 10:51:21 AM



#46
 Dibromomethane
 Concen: 53.469 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. -0.00 min
 Lab File: VN054888.D
 Acq: 1 Apr 2019 21:13

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.8	66.7	100.1
174	101.2	98.5	147.7





#47

Bromodichloromethane

Concen: 55.948 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN054888.D

Acq: 1 Apr 2019 21:13

Instrument :

MSVOA_N

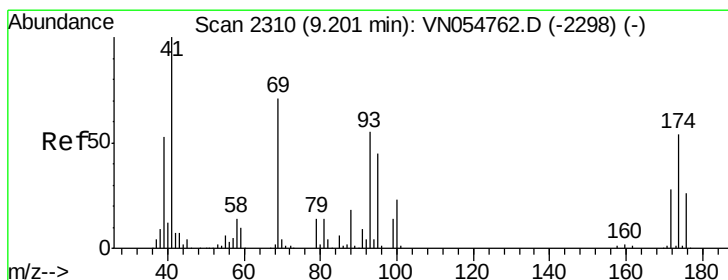
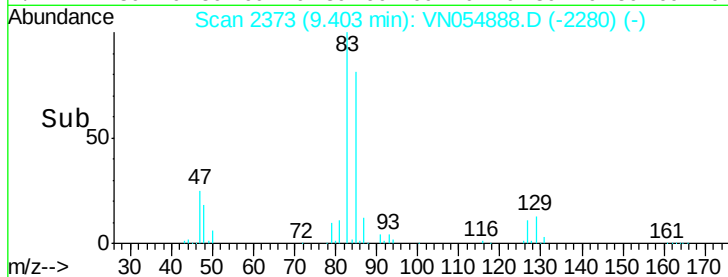
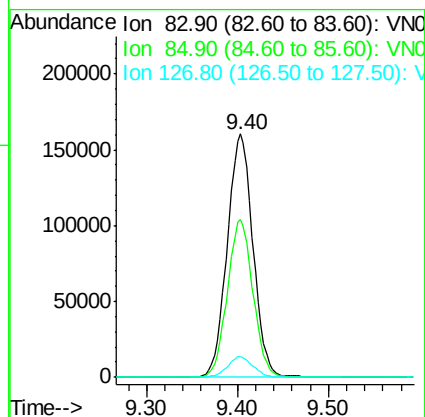
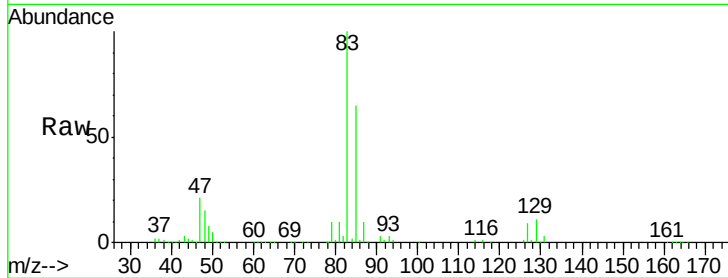
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	314899
Ion Ratio	Lower	Upper	
83	100		
85	65.1	52.8	79.2
127	8.6	7.4	11.2

Manual Integrations
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MMDadoda
4/2/2019 10:51:21 AM



#48

Methyl methacrylate

Concen: 52.183 ug/l

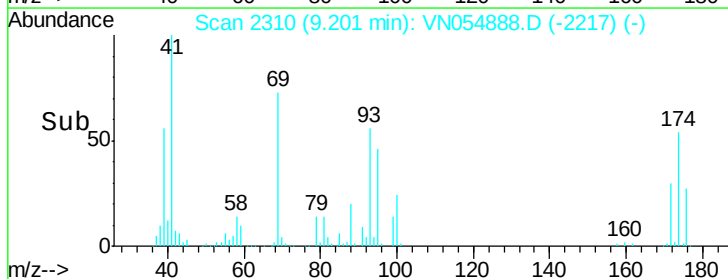
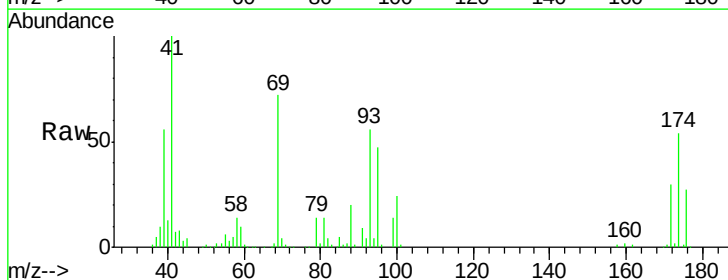
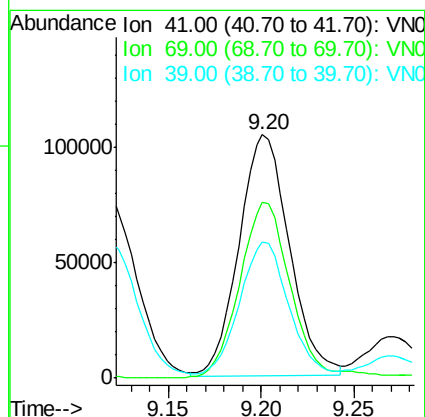
RT: 9.20 min Scan# 2310

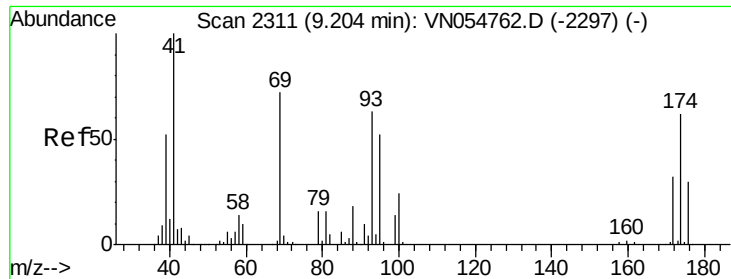
Delta R.T. -0.00 min

Lab File: VN054888.D

Acq: 1 Apr 2019 21:13

Tgt Ion:	41	Resp:	198881
Ion Ratio	Lower	Upper	
41	100		
69	74.7	72.6	108.8
39	55.3	47.5	71.3





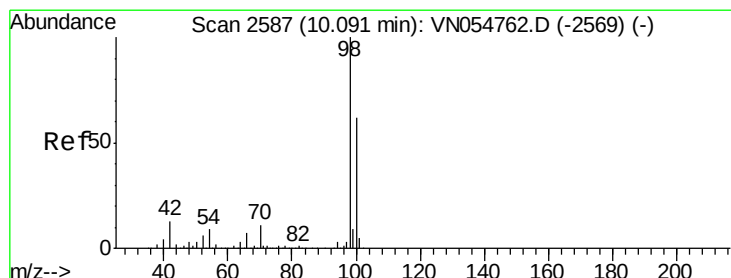
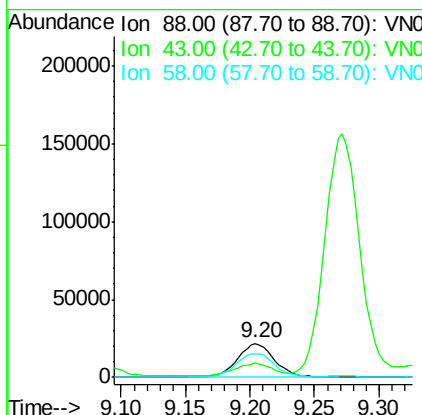
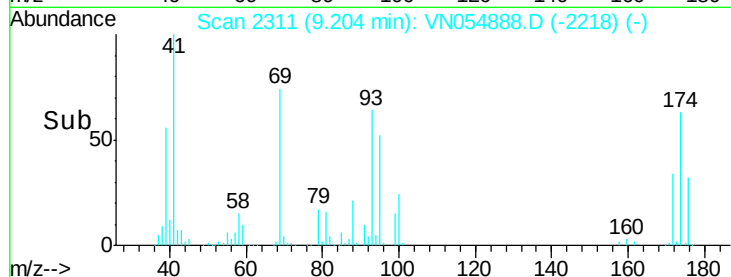
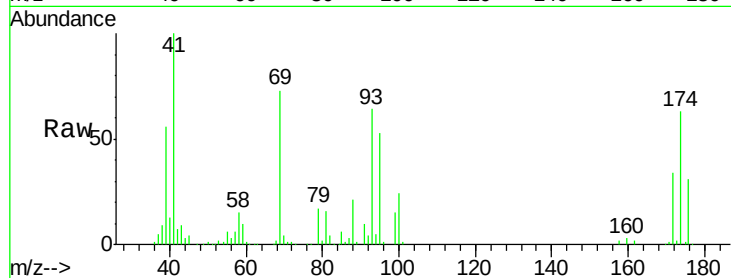
#49
1,4-Dioxane
Concen: 1153.585 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. -0.00 min
Lab File: VN054888.D
Acq: 1 Apr 2019 21:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	43624
Ion	Ratio	Lower	Upper
88	100		
43	37.0	24.1	36.1#
58	73.2	50.8	76.2

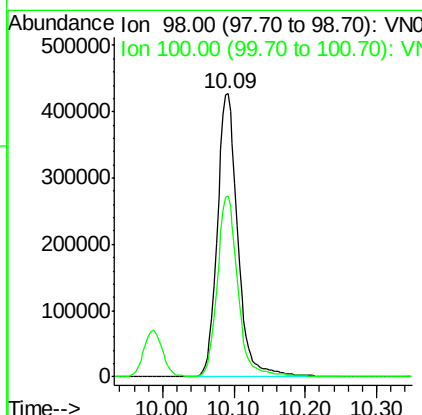
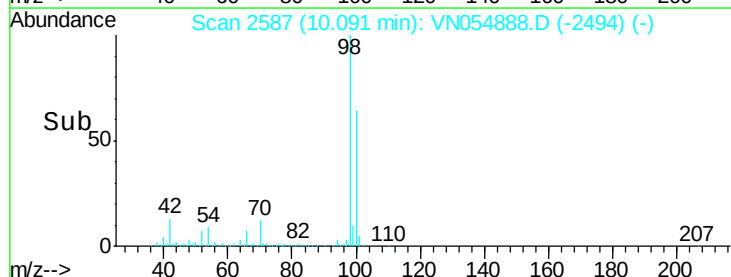
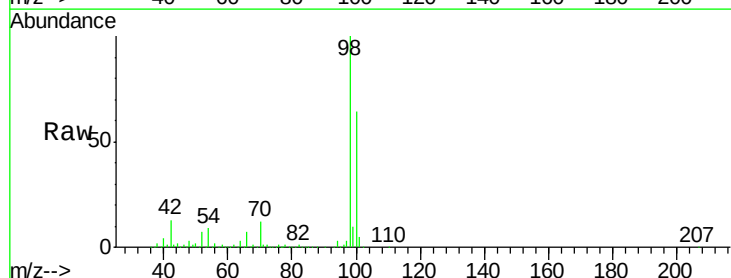
Manual Integrations
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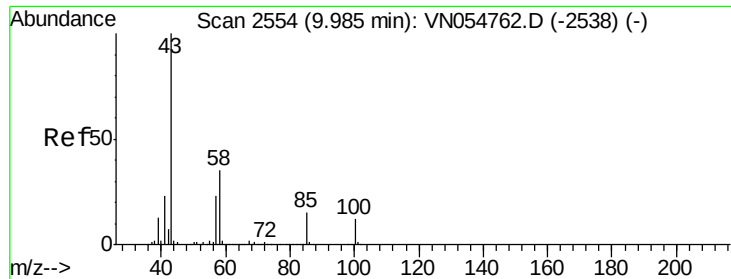
MMDadoda
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#50
Toluene-d8
Concen: 54.279 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN054888.D
Acq: 1 Apr 2019 21:13

Tgt Ion	98	Resp	851934
Ion	Ratio	Lower	Upper
98	100		
100	63.8	51.2	76.8





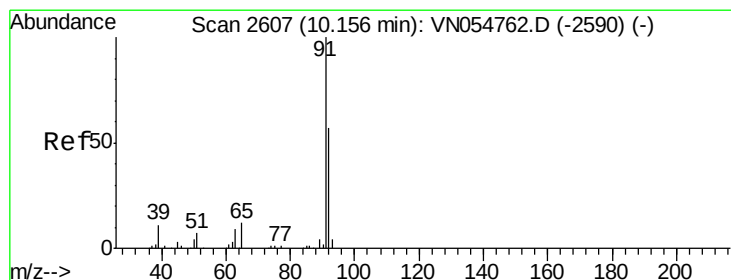
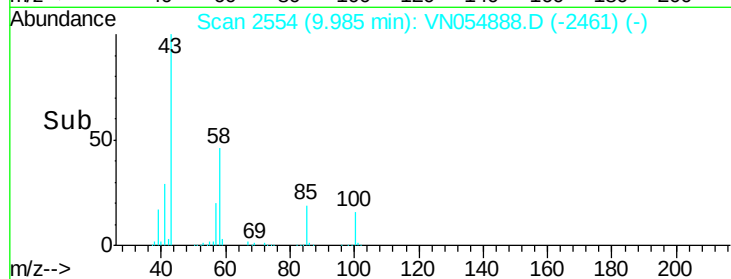
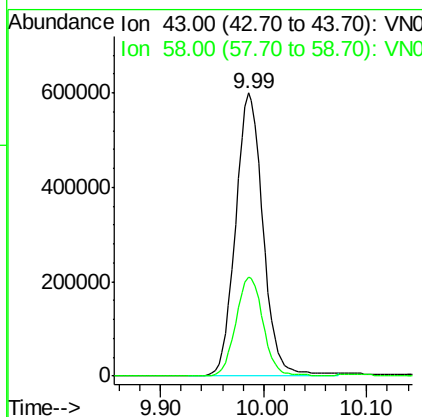
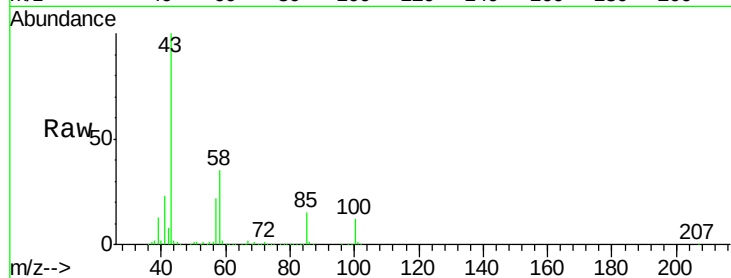
#51
 4-Methyl-2-Pentanone
 Concen: 281.065 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. -0.00 min
 Lab File: VN054888.D
 Acq: 1 Apr 2019 21:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 1111024
 Ion Ratio Lower Upper
 43 100
 58 35.0 31.8 47.6

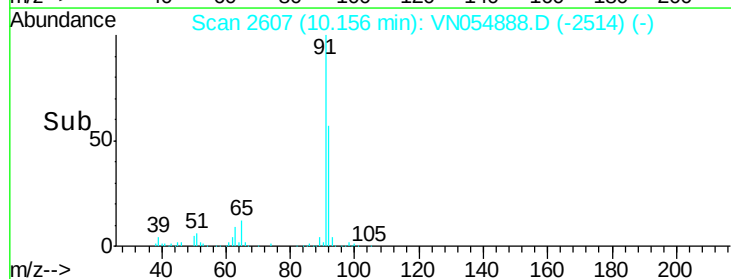
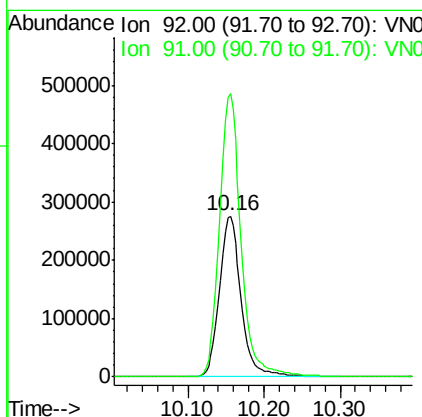
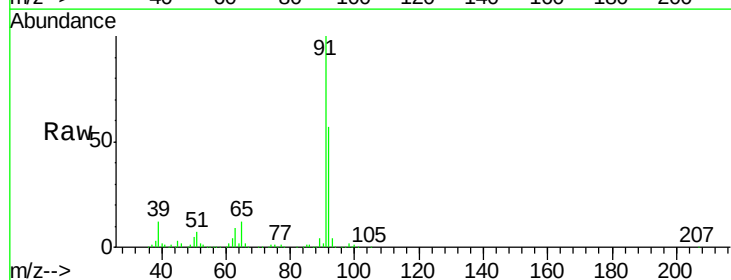
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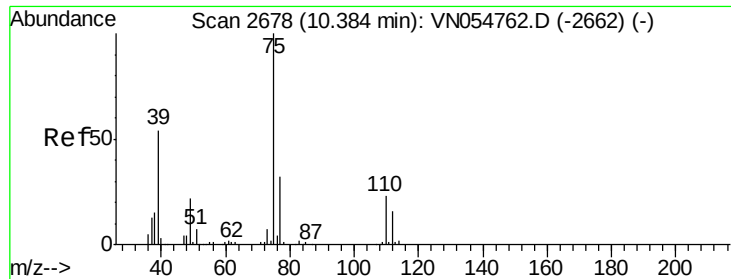
MMDadoda
 4/2/2019 10:51:21 AM



#52
 Toluene
 Concen: 54.536 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. -0.00 min
 Lab File: VN054888.D
 Acq: 1 Apr 2019 21:13

Tgt Ion: 92 Resp: 547903
 Ion Ratio Lower Upper
 92 100
 91 175.8 140.7 211.1





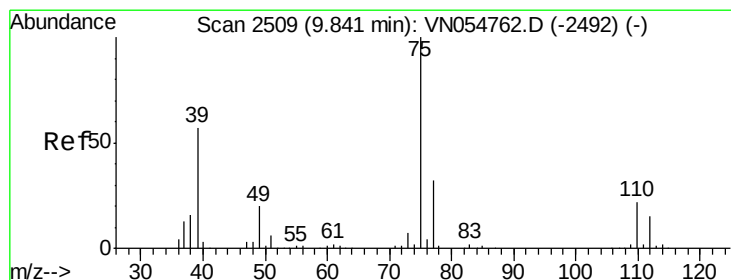
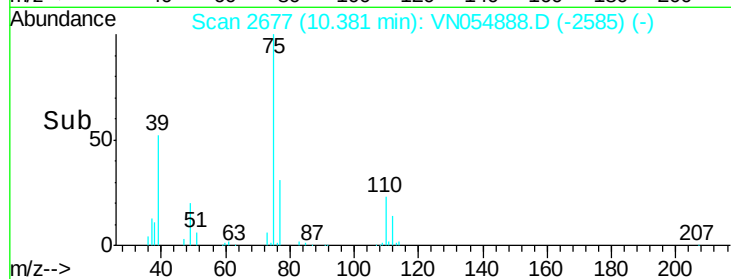
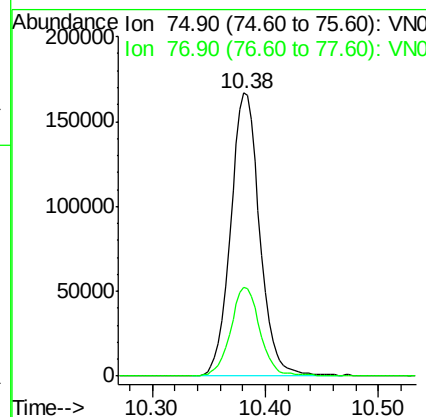
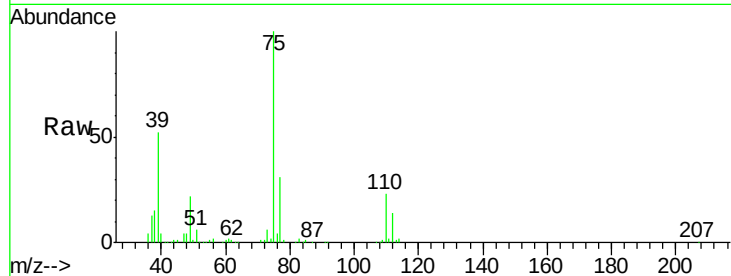
#53
t-1,3-Dichloropropene
Concen: 56.270 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN054888.D
Acq: 1 Apr 2019 21:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.8	38.8

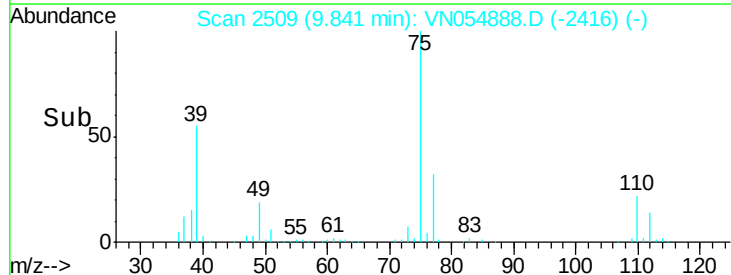
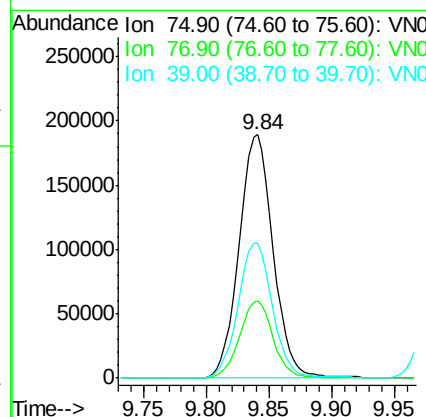
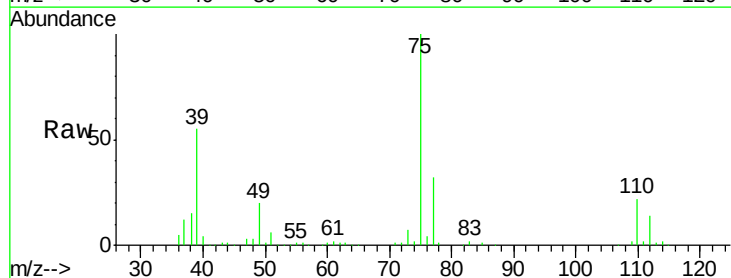
Manual Integrations
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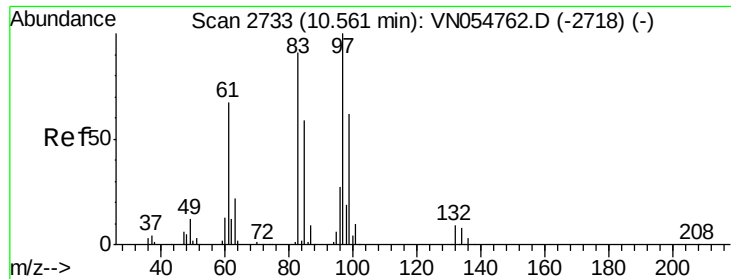
MMDadoda
4/2/2019 10:51:21 AM



#54
cis-1,3-Dichloropropene
Concen: 56.511 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN054888.D
Acq: 1 Apr 2019 21:13

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.4	38.0
39	55.1	37.2	55.8





#55

1,1,2-Trichloroethane

Concen: 53.643 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VN054888.D

Acq: 1 Apr 2019 21:13

Instrument :

MSVOA_N

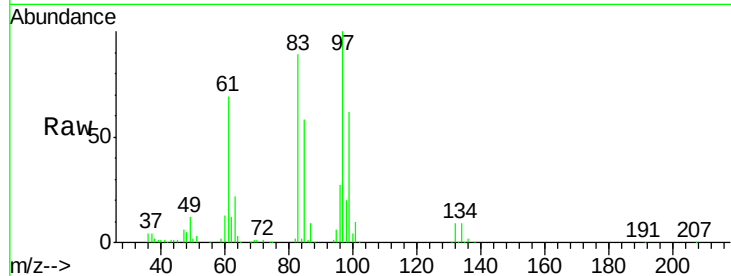
ClientSampleId :

VSTDCCC050EC

Tot Ion:	97	Resp:	200394
Ion	Ratio	Lower	Upper
97	100		
83	89.1	66.6	100.0
85	58.3	44.4	66.6
99	61.4	50.8	76.2

Manual Integrations
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4/2/2019 10:51:21 AM

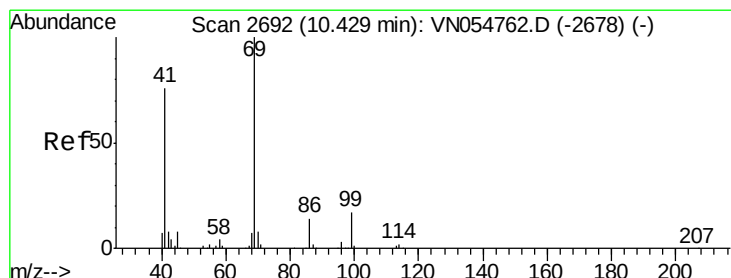
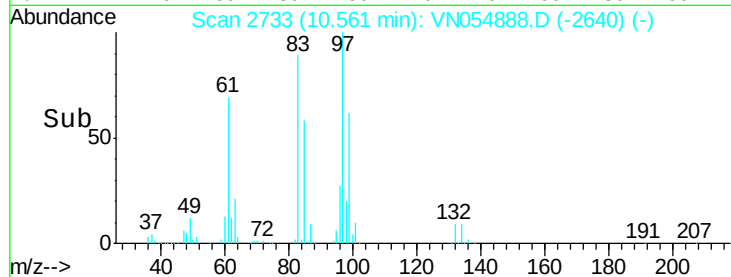
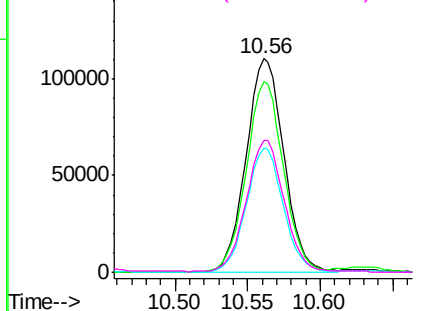


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 54.220 ug/l

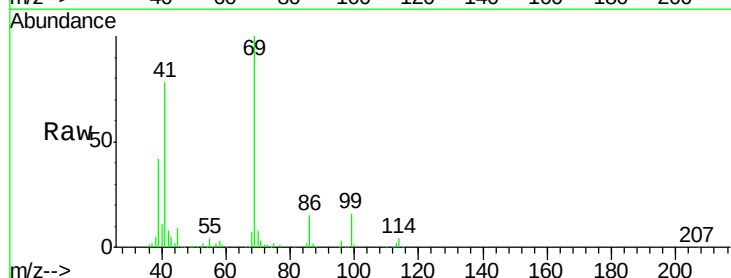
RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN054888.D

Acq: 1 Apr 2019 21:13

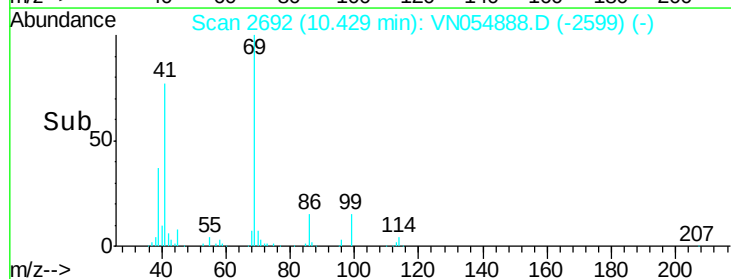
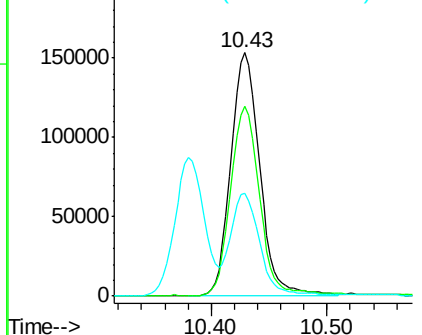
Tgt Ion:	69	Resp:	265702
Ion	Ratio	Lower	Upper
69	100		
41	77.4	49.4	74.2#
39	41.7	28.3	42.5

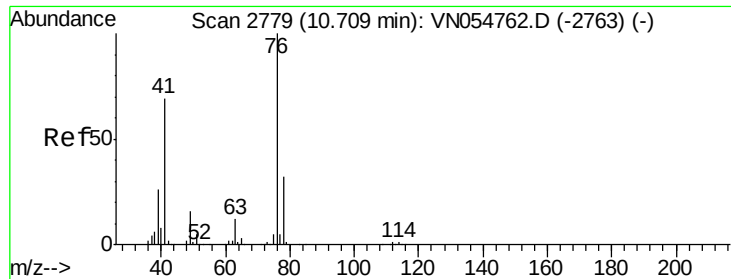


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





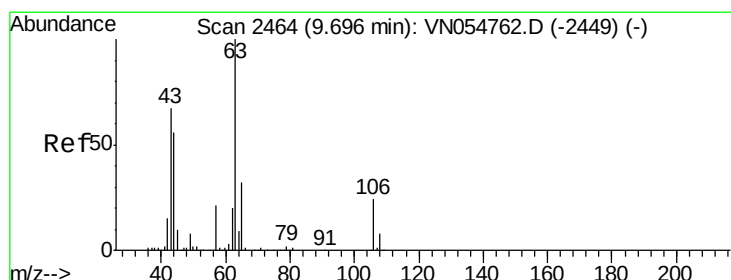
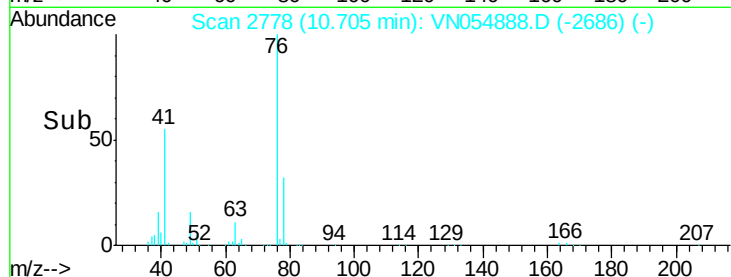
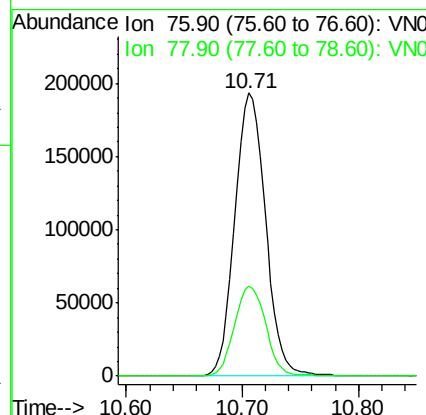
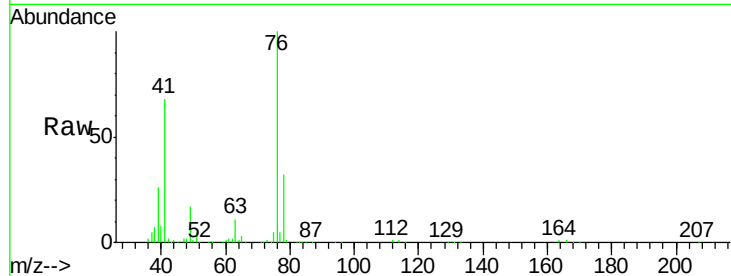
#57
 1,3-Dichloropropane
 Concen: 55.251 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. -0.00 min
 Lab File: VN054888.D
 Acq: 1 Apr 2019 21:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 354846
 Ion Ratio Lower Upper
 76 100
 78 32.6 25.7 38.5

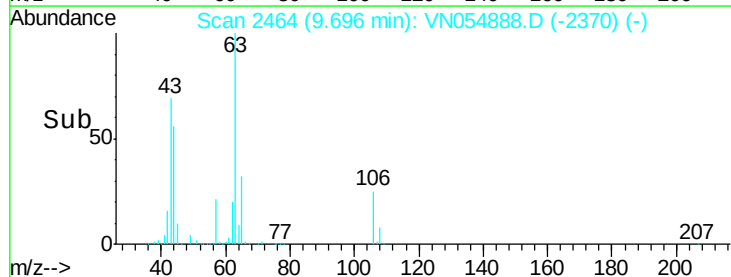
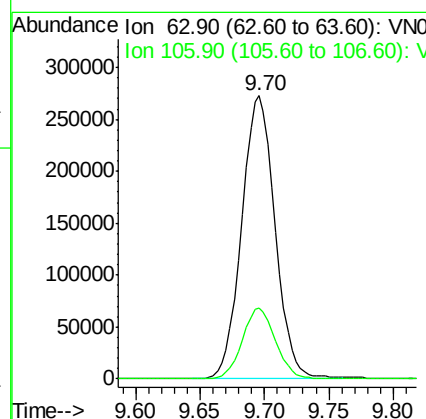
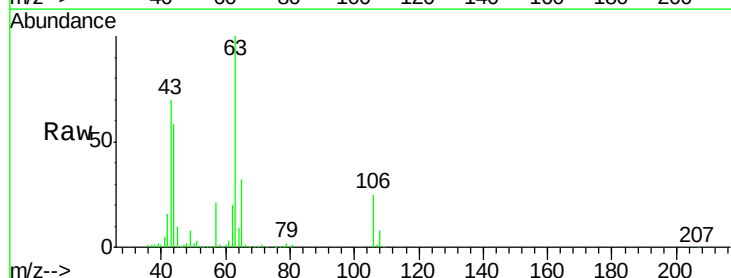
Manual Integrations
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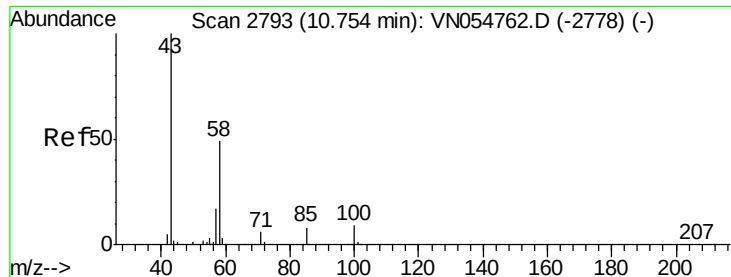
MMDadoda
 4/2/2019 10:51:21 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 233.416 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN054888.D
 Acq: 1 Apr 2019 21:13

Tgt Ion: 63 Resp: 491208
 Ion Ratio Lower Upper
 63 100
 106 25.0 24.4 36.6





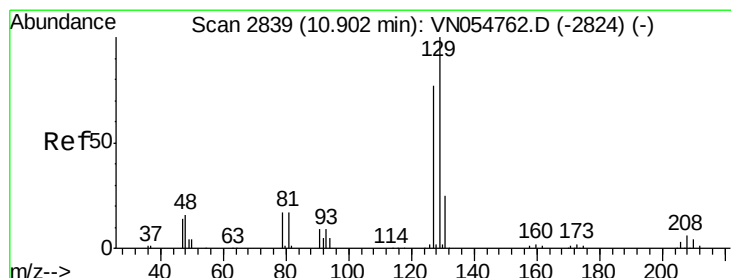
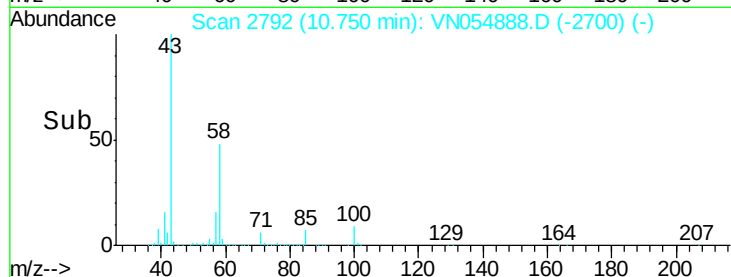
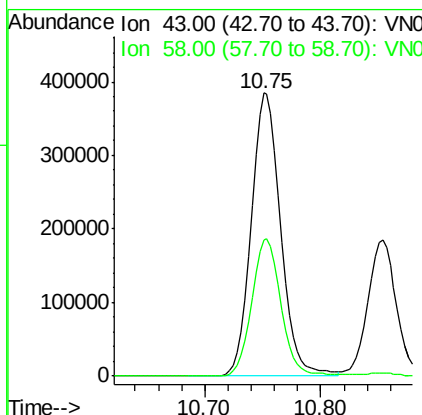
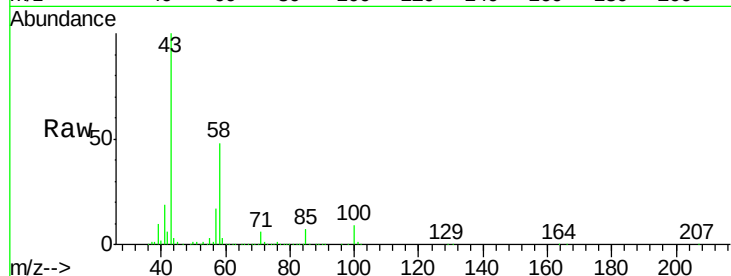
#59
2-Hexanone
Concen: 268.494 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN054888.D
Acq: 1 Apr 2019 21:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 679425
Ion Ratio Lower Upper
43 100
58 48.8 28.0 83.9

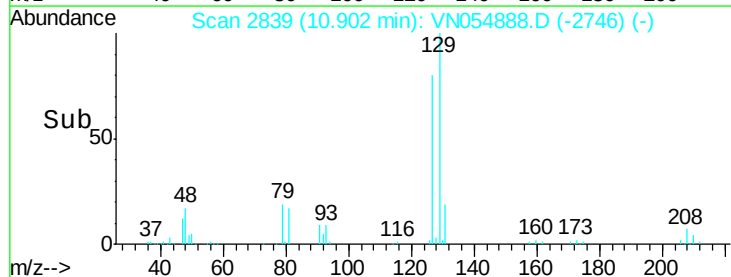
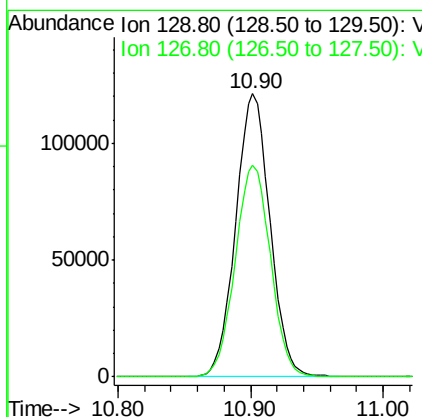
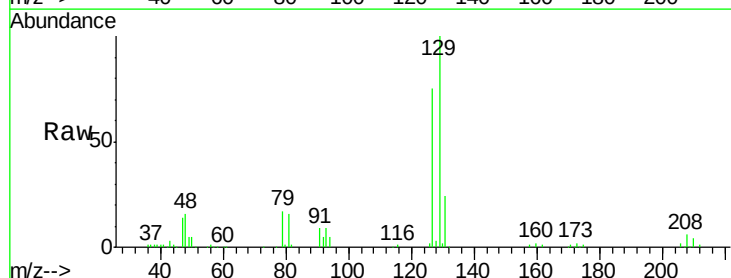
Manual Integrations
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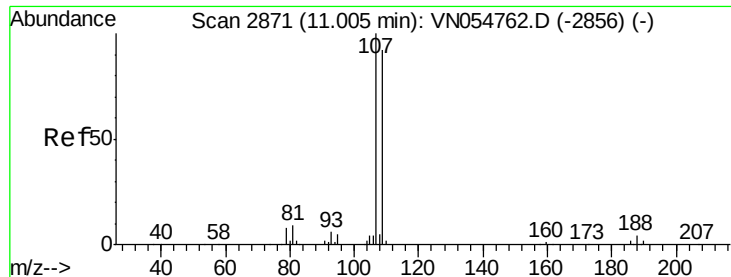
MMDadoda
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#60
Dibromochloromethane
Concen: 57.595 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN054888.D
Acq: 1 Apr 2019 21:13

Tgt Ion: 129 Resp: 217949
Ion Ratio Lower Upper
129 100
127 76.8 38.6 115.8





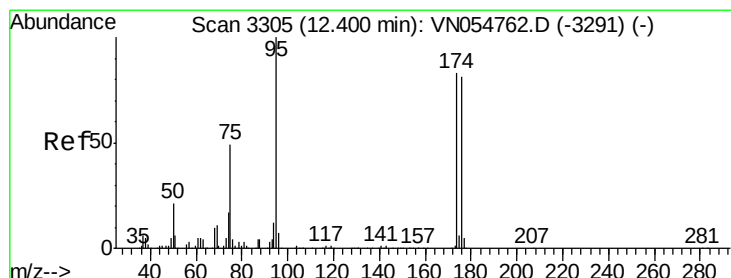
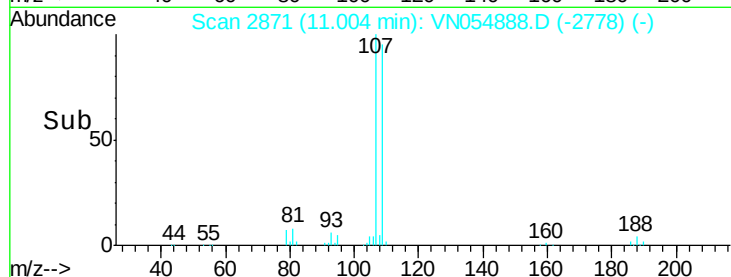
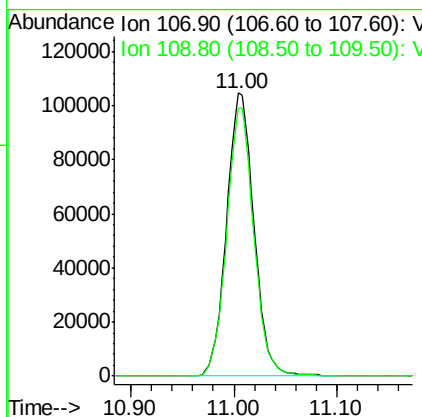
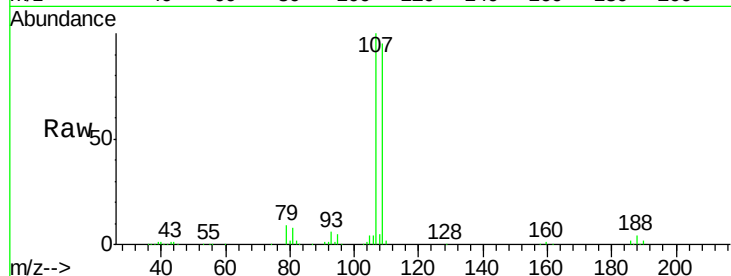
#61
 1,2-Dibromoethane
 Concen: 54.305 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN054888.D
 Acq: 1 Apr 2019 21:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.0	75.9	113.9

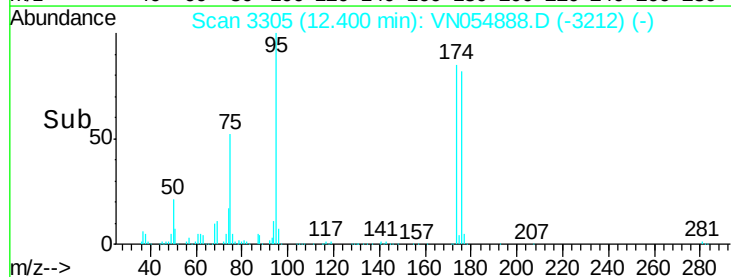
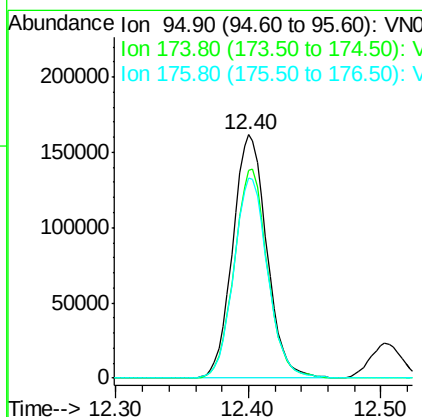
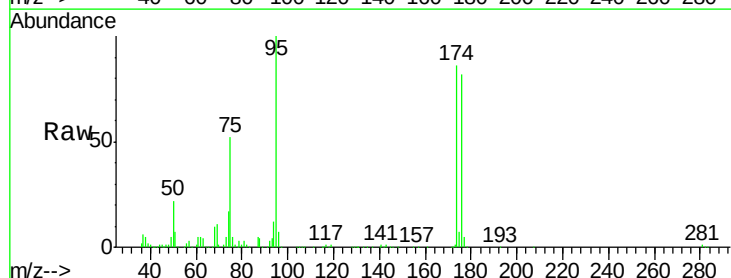
Manual Integrations
 APPROVED

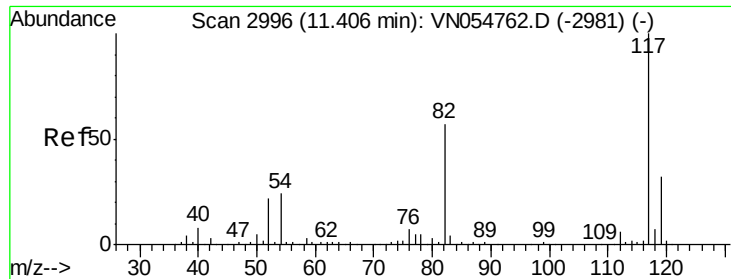
MMDadoda
 4/2/2019 10:51:21 AM



#62
 4-Bromofluorobenzene
 Concen: 55.220 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN054888.D
 Acq: 1 Apr 2019 21:13

Tgt Ion	Ratio	Lower	Upper
95	100		
174	84.2	0.0	191.0
176	82.1	0.0	187.4





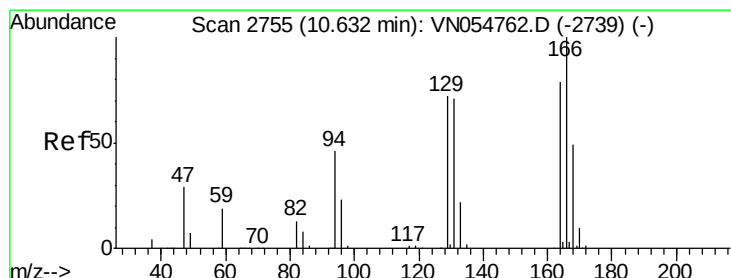
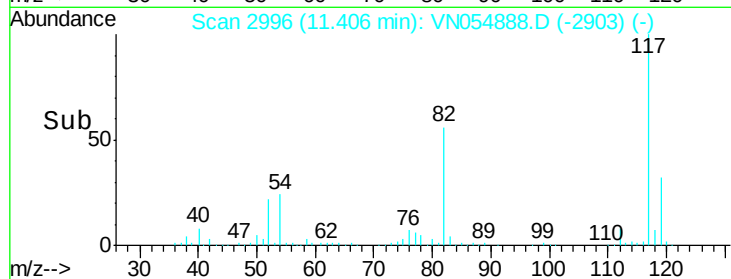
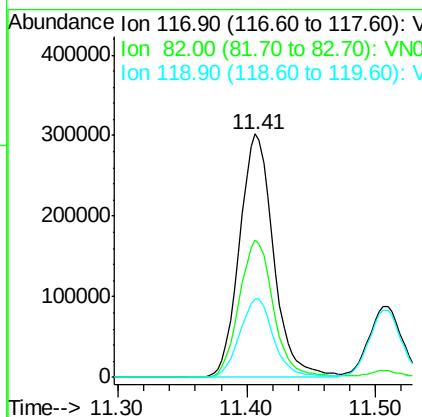
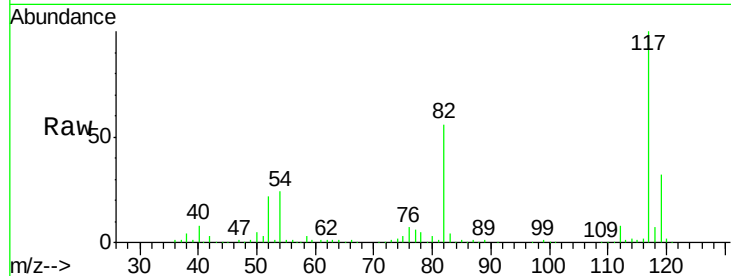
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054888.D
Acq: 1 Apr 2019 21:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.2	40.0	60.0
119	32.5	25.8	38.6

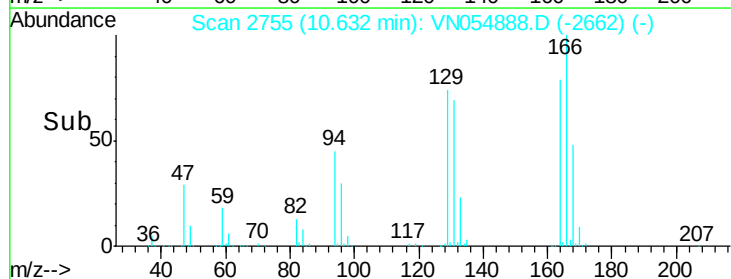
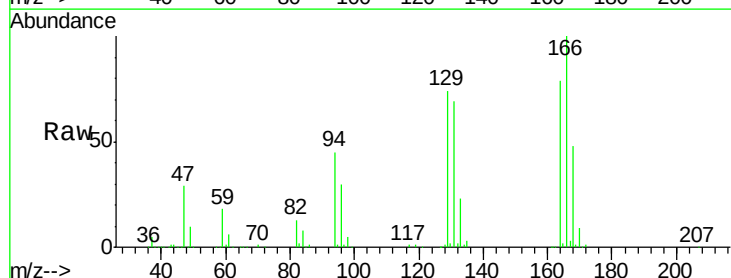
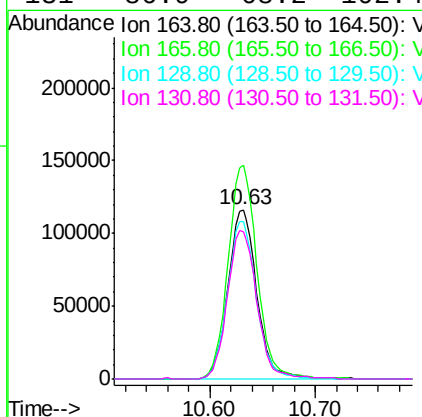
Manual Integrations
APPROVED

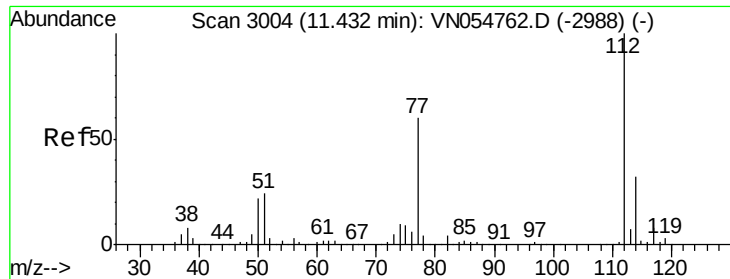
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#64
Tetrachloroethene
Concen: 51.623 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN054888.D
Acq: 1 Apr 2019 21:13

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.1	103.9	155.9
129	92.7	71.1	106.7
131	86.9	68.2	102.4





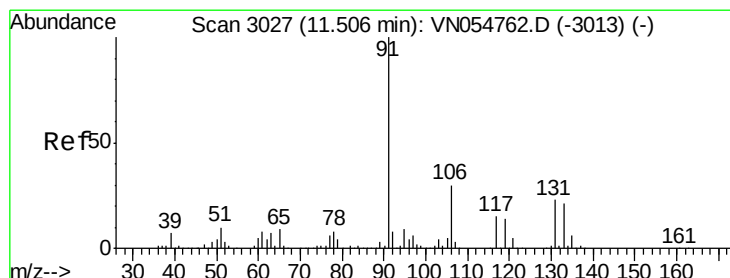
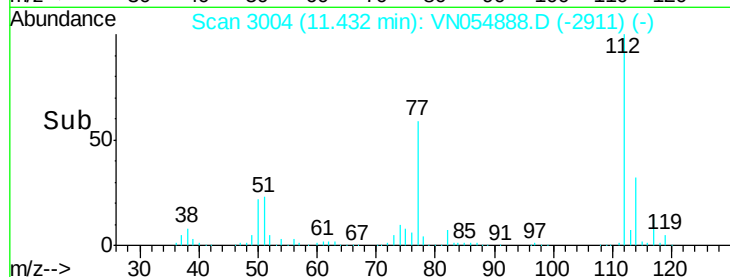
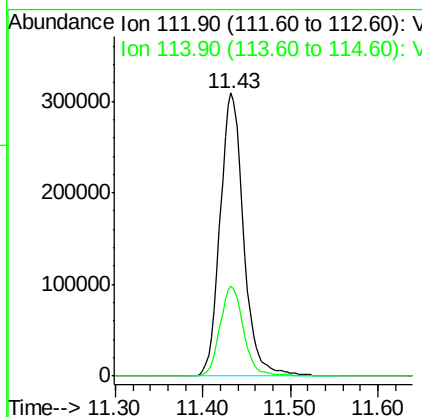
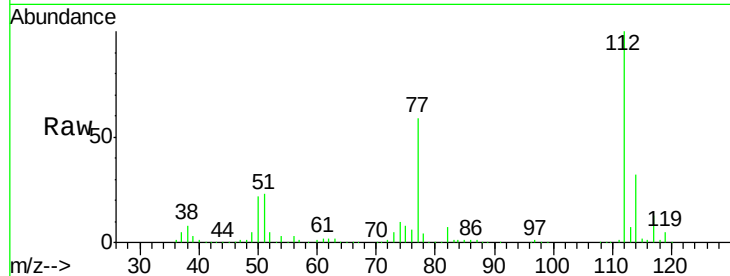
#65
Chlorobenzene
Concen: 53.116 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN054888.D
Acq: 1 Apr 2019 21:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 577107
Ion Ratio Lower Upper
112 100
114 32.0 25.9 38.9

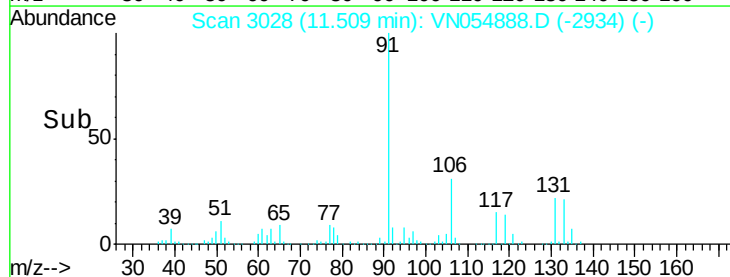
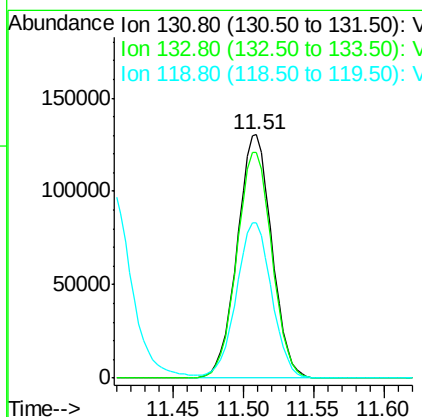
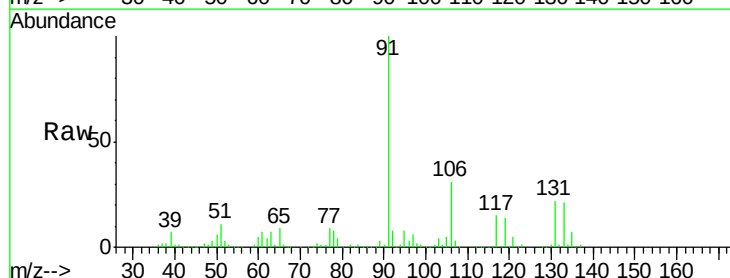
Manual Integrations
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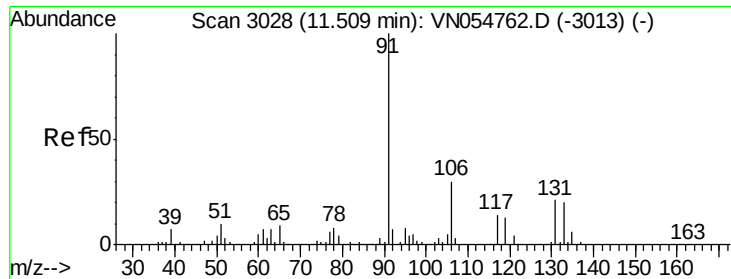
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#66
1,1,1,2-Tetrachloroethane
Concen: 54.997 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN054888.D
Acq: 1 Apr 2019 21:13

Tgt Ion:131 Resp: 223659
Ion Ratio Lower Upper
131 100
133 94.3 47.6 142.9
119 65.5 32.4 97.0





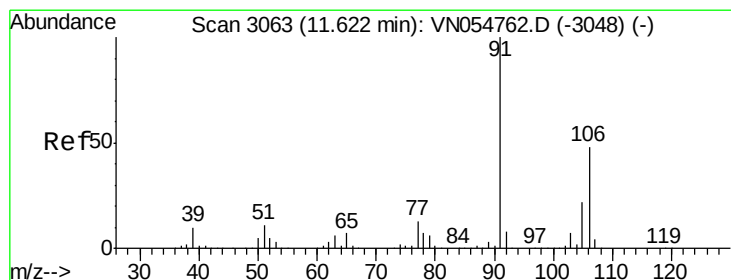
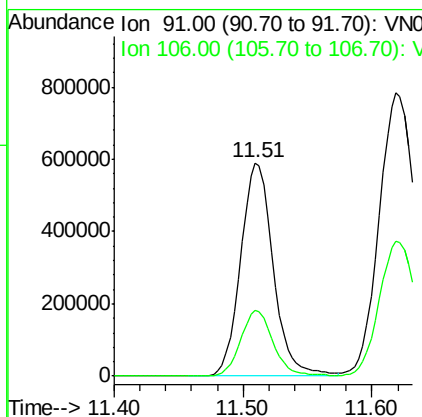
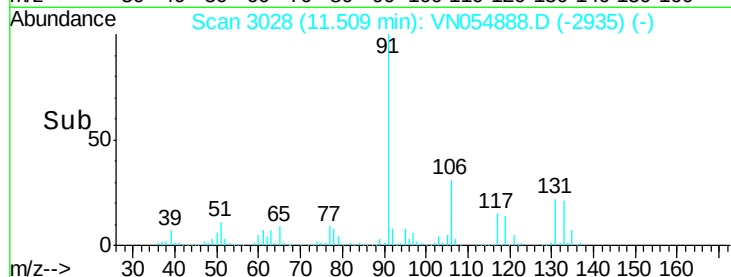
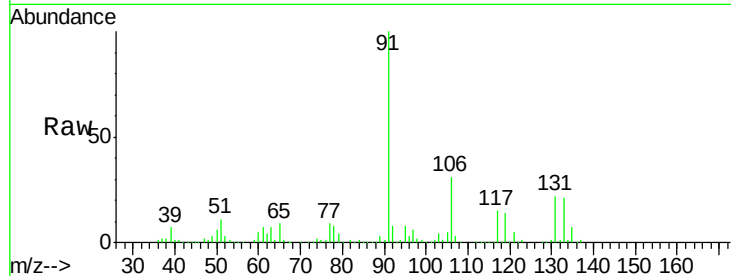
#67
Ethyl Benzene
Concen: 53.074 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054888.D
Acq: 1 Apr 2019 21:13

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion: 91 Resp: 1040585
Ion Ratio Lower Upper
91 100
106 31.1 25.5 38.3

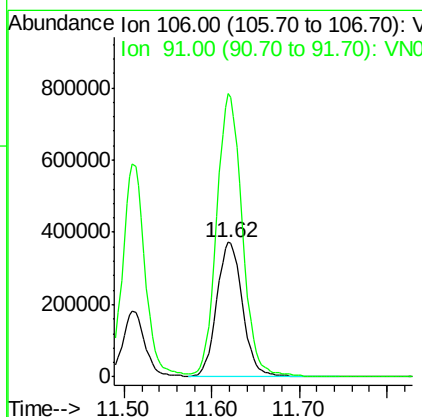
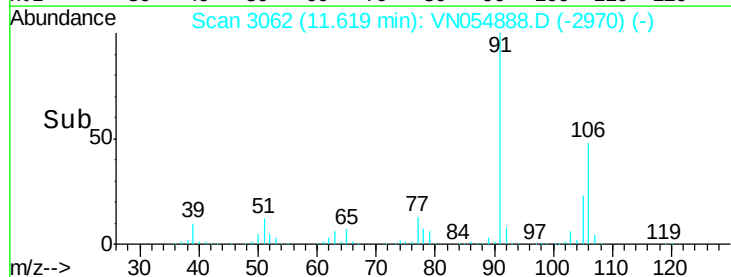
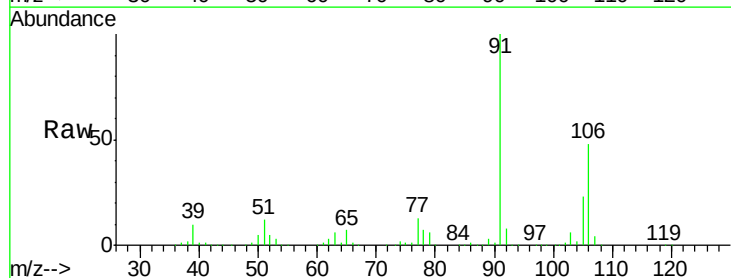
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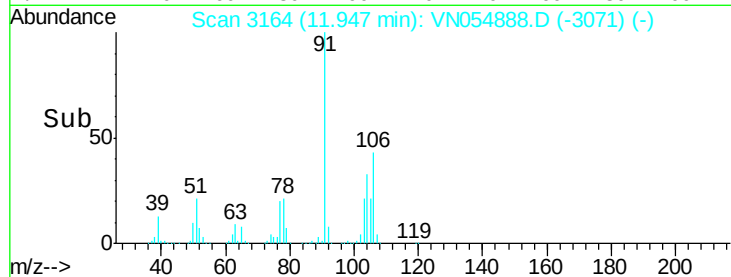
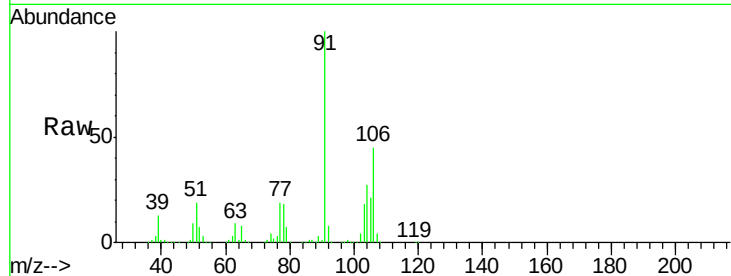
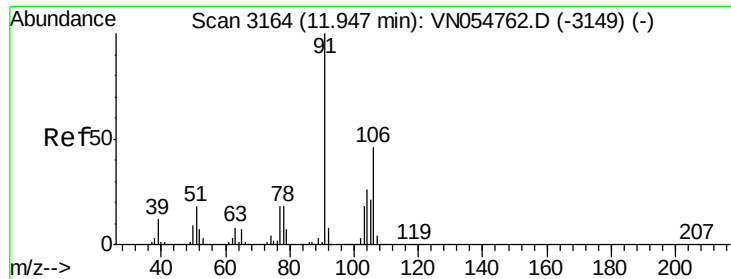
MMDadoda
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#68
m/p-Xylenes
Concen: 105.621 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN054888.D
Acq: 1 Apr 2019 21:13

Tgt Ion: 106 Resp: 766341
Ion Ratio Lower Upper
106 100
91 208.0 159.4 239.2





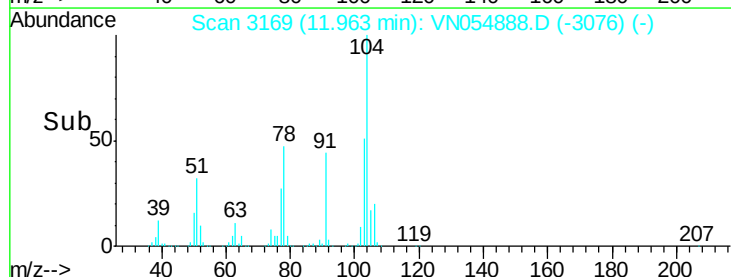
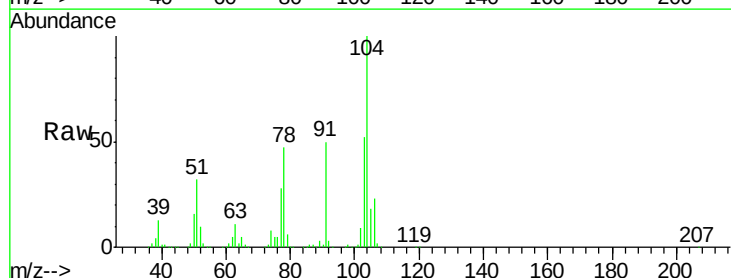
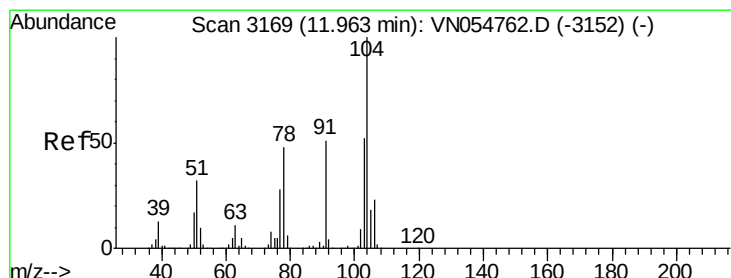
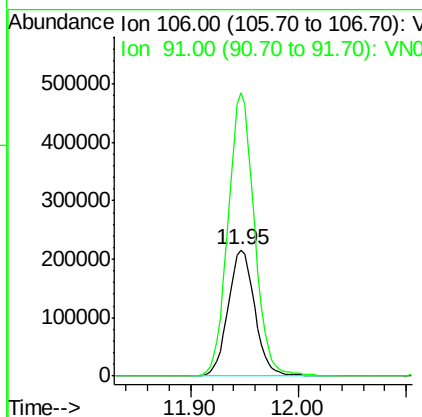
#69
o-Xylene
Concen: 52.505 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN054888.D
Acq: 1 Apr 2019 21:13

Tot Ion:106 Resp: 373559
Ion Ratio Lower Upper
106 100
91 221.4 105.7 317.1

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

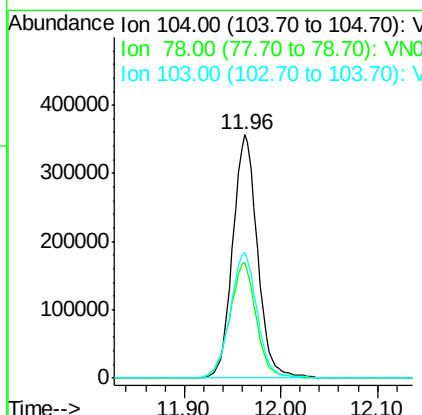
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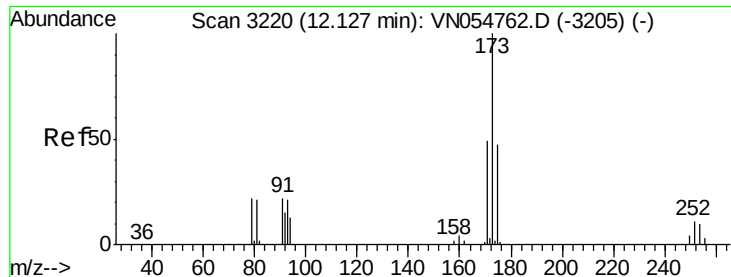
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#70
Styrene
Concen: 55.733 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN054888.D
Acq: 1 Apr 2019 21:13

Tgt Ion:104 Resp: 634010
Ion Ratio Lower Upper
104 100
78 50.9 38.2 57.2
103 55.9 44.4 66.6





#71

Bromoform

Concen: 56.590 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN054888.D

Acq: 1 Apr 2019 21:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 134822

Ion Ratio Lower Upper

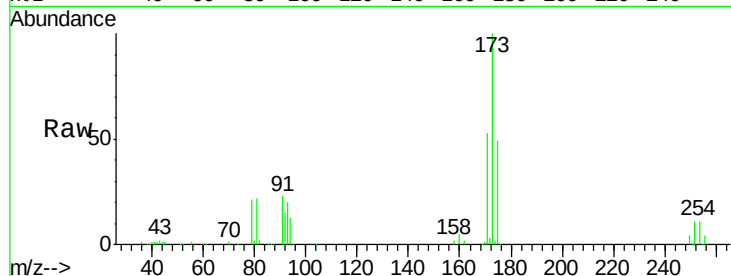
173 100

175 47.6 24.4 73.2

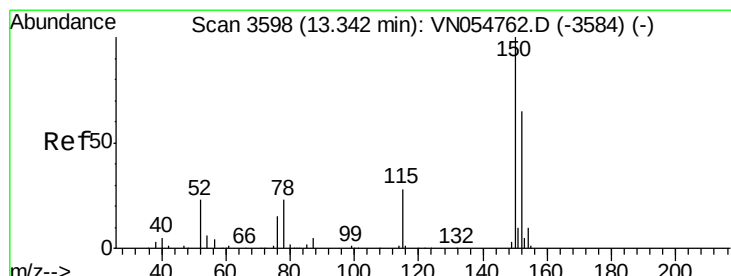
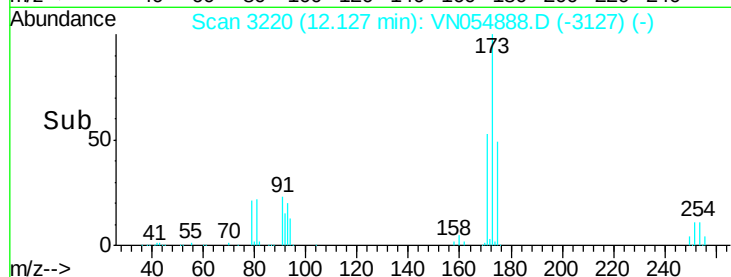
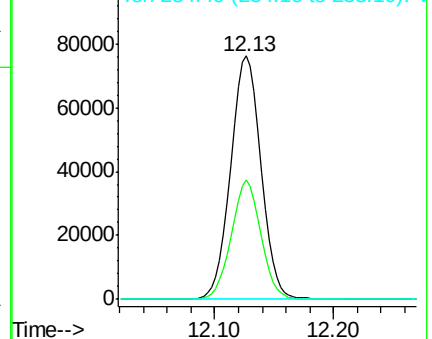
254 0.1 0.1 0.1#

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN054888.D

Acq: 1 Apr 2019 21:13

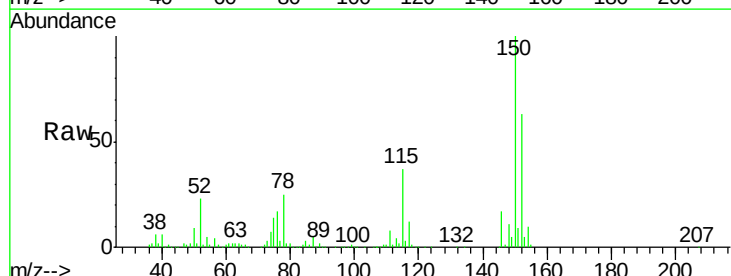
Tgt Ion:152 Resp: 244859

Ion Ratio Lower Upper

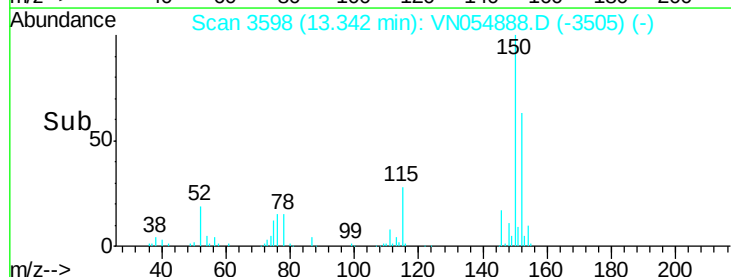
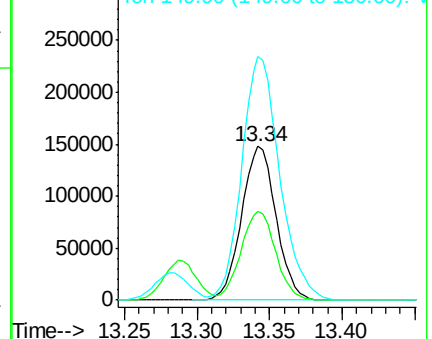
152 100

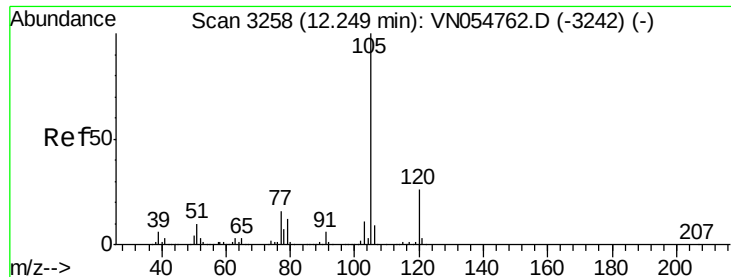
115 57.9 27.2 81.6

150 173.9 0.0 349.2



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





#73

Isopropylbenzene

Concen: 50.021 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN054888.D

Acq: 1 Apr 2019 21:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1001105

Ion Ratio Lower Upper

105 100

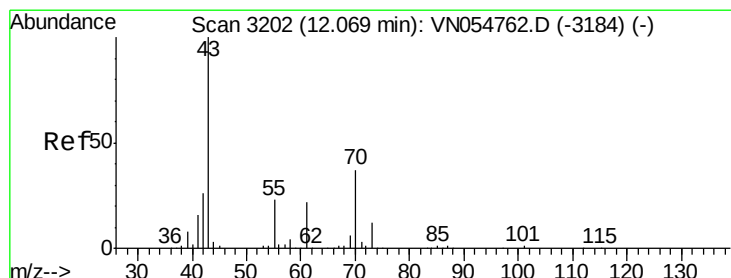
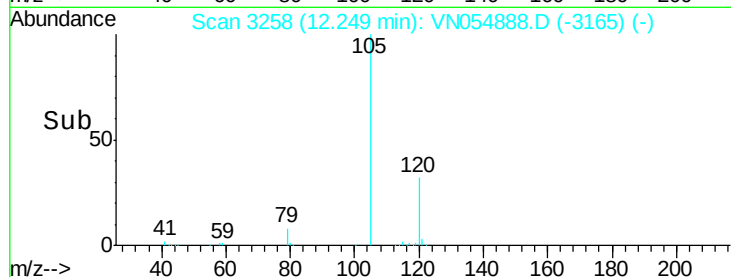
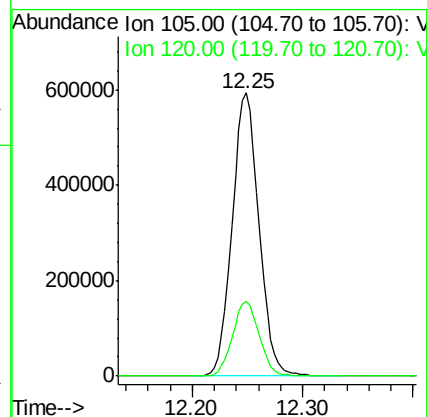
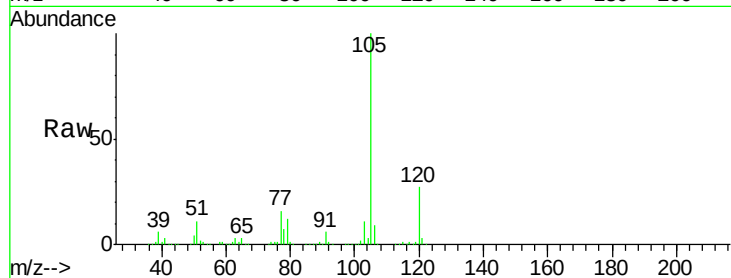
120 26.3 13.8 41.3

Manual Integrations

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#74

N-ethyl acetate

Concen: 51.168 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN054888.D

Acq: 1 Apr 2019 21:13

Tgt Ion: 43 Resp: 319036

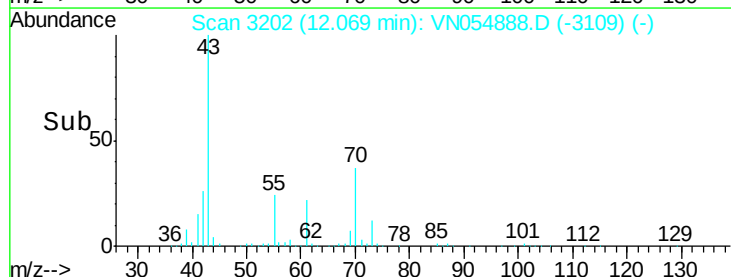
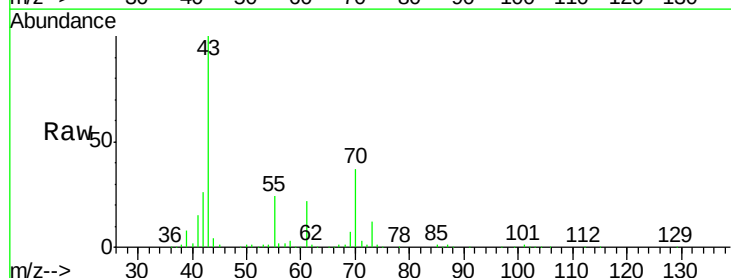
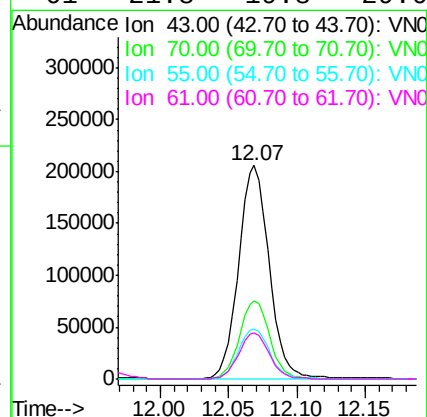
Ion Ratio Lower Upper

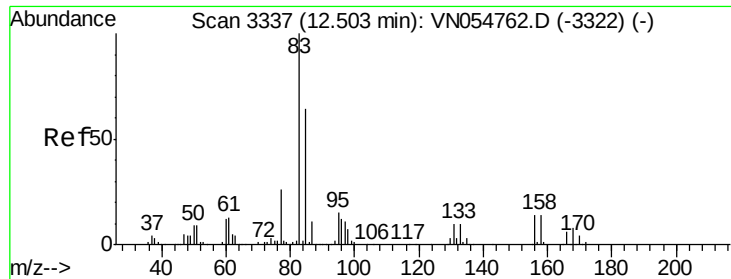
43 100

70 36.7 35.4 53.0

55 24.1 19.8 29.6

61 21.8 19.8 29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 56.131 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN054888.D

Acq: 1 Apr 2019 21:13

Instrument :

MSVOA_N

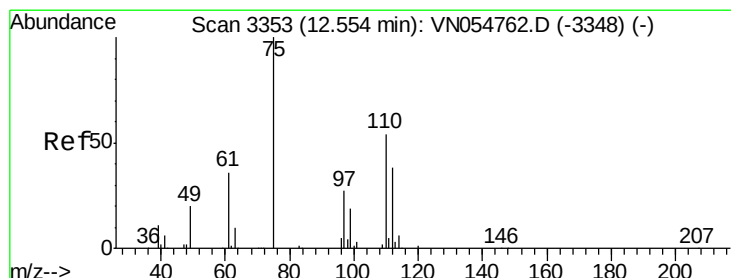
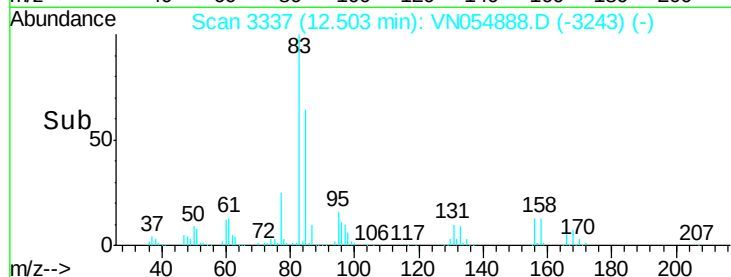
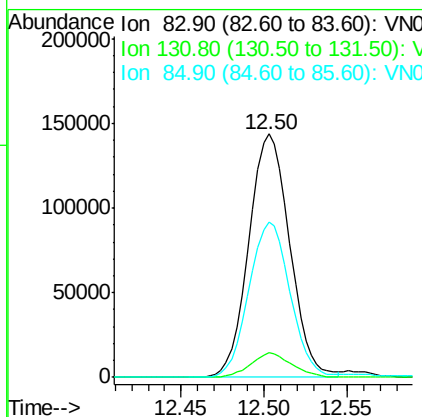
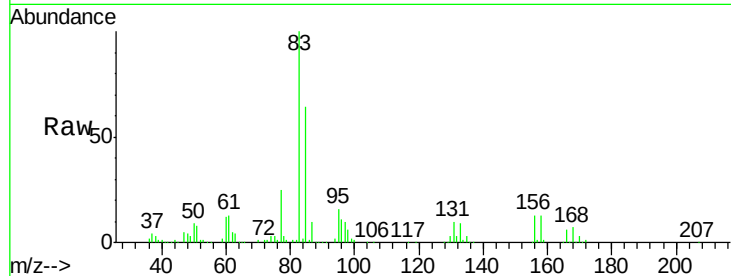
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	246722
Ion Ratio	Lower	Upper	
83	100		
131	10.1	5.8	17.4
85	64.2	32.2	96.6

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 51.728 ug/l m

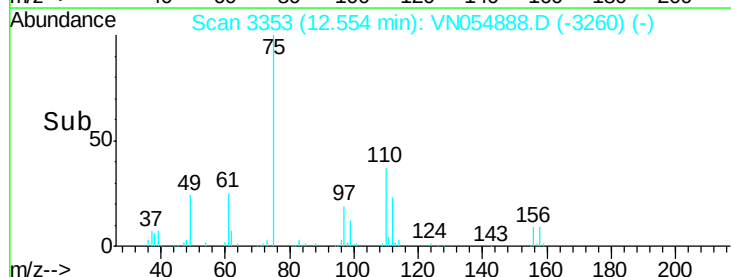
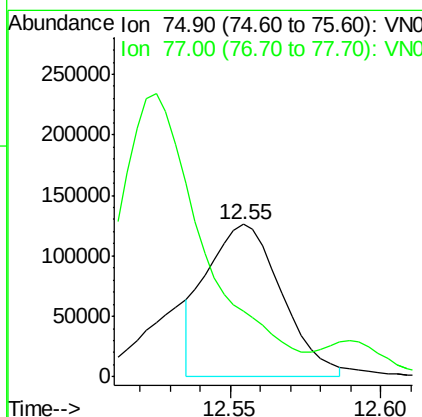
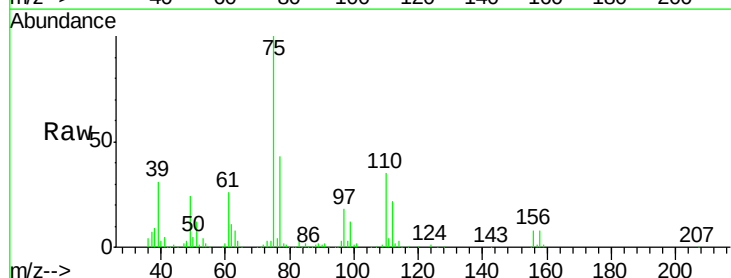
RT: 12.55 min Scan# 3353

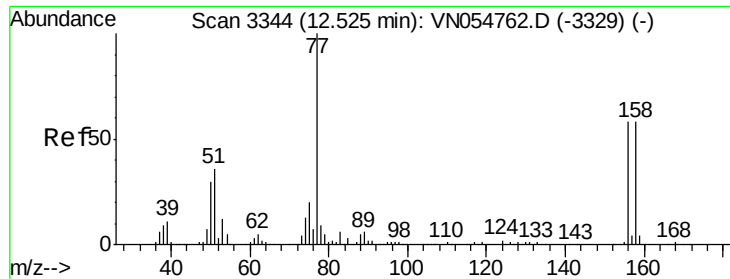
Delta R.T. 0.00 min

Lab File: VN054888.D

Acq: 1 Apr 2019 21:13

Tgt Ion:	75	Resp:	220039
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 51.487 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN054888.D

Acq: 1 Apr 2019 21:13

Instrument :

MSVOA_N

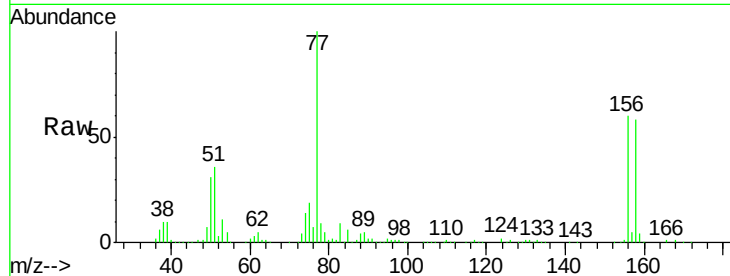
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
156	100		
77	192.0	81.5	244.4
158	96.4	49.0	147.2

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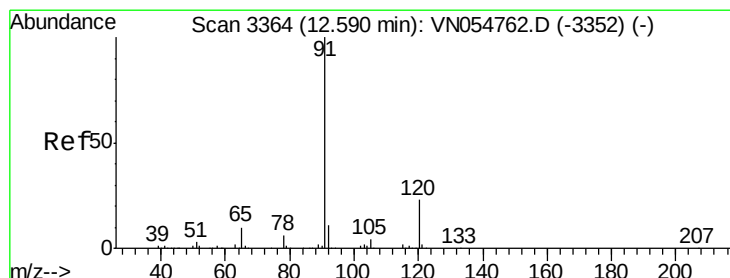
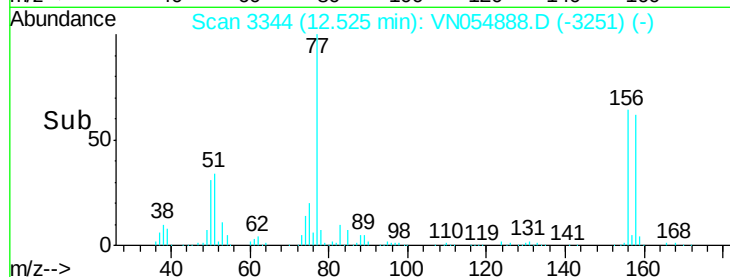
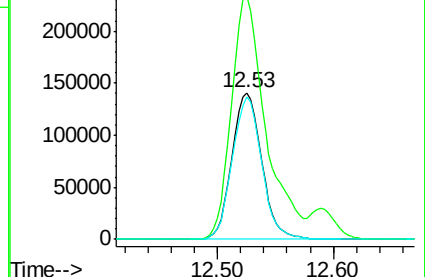
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.540 ug/l

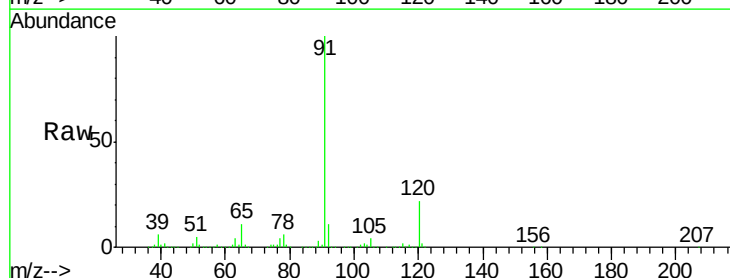
RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN054888.D

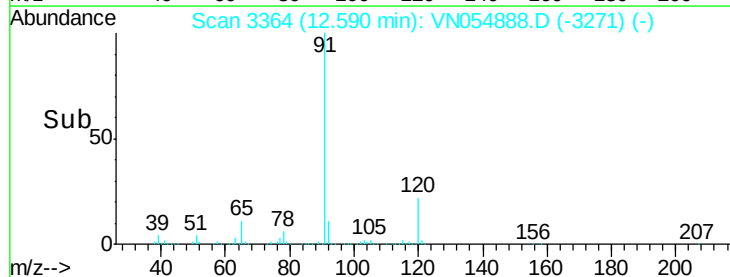
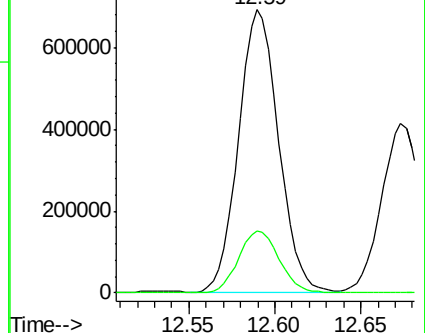
Acq: 1 Apr 2019 21:13

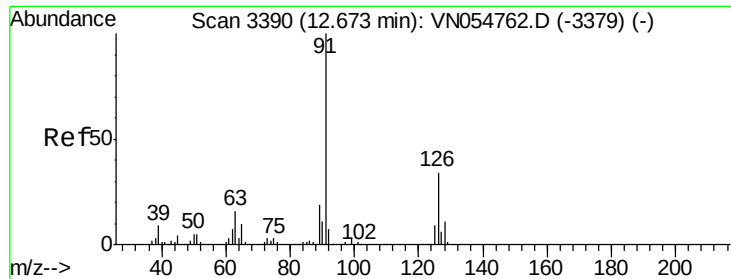
Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.5	12.3	36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.388 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN054888.D

Acq: 1 Apr 2019 21:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 685727

Ion Ratio Lower Upper

91 100

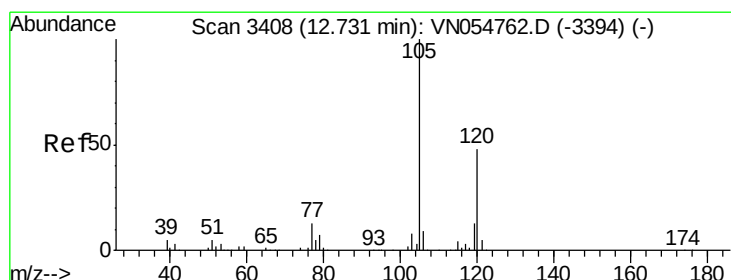
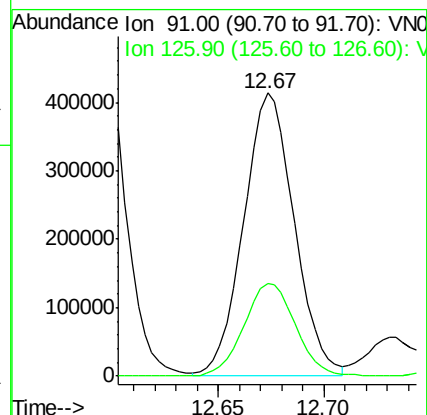
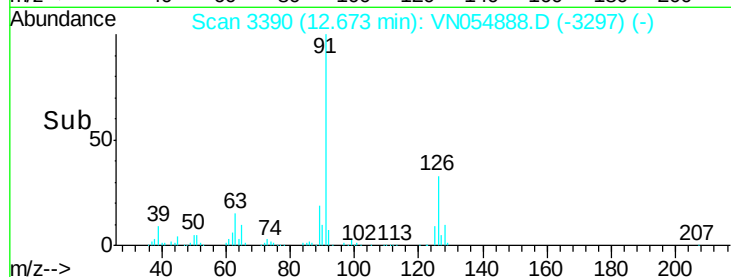
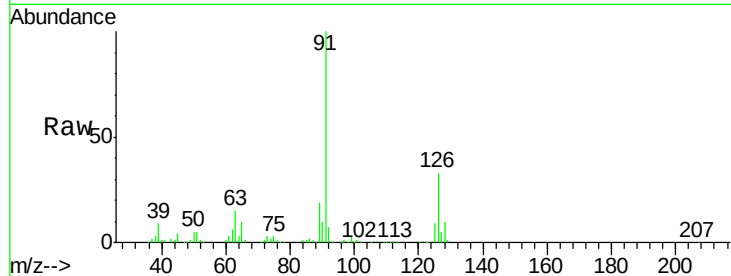
126 33.7 18.7 56.1

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#80

1,3,5-Trimethylbenzene

Concen: 49.739 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN054888.D

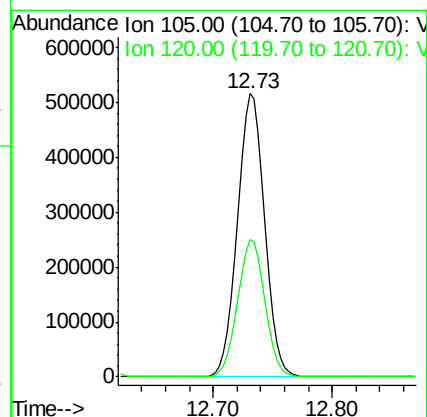
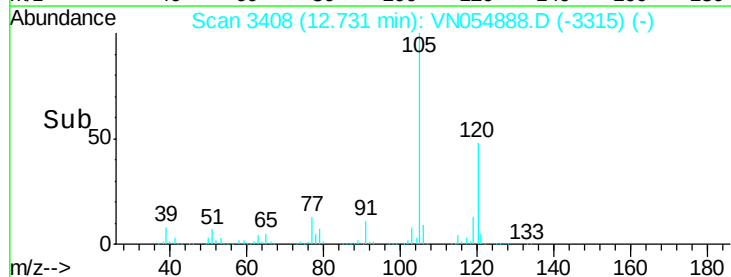
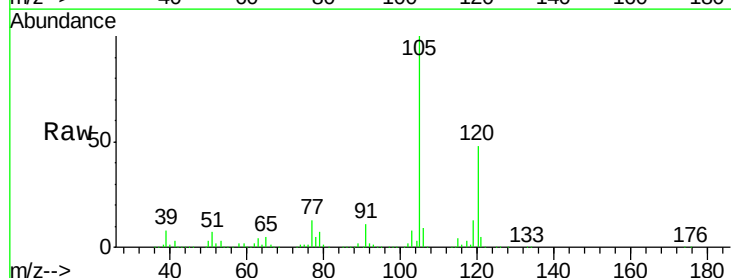
Acq: 1 Apr 2019 21:13

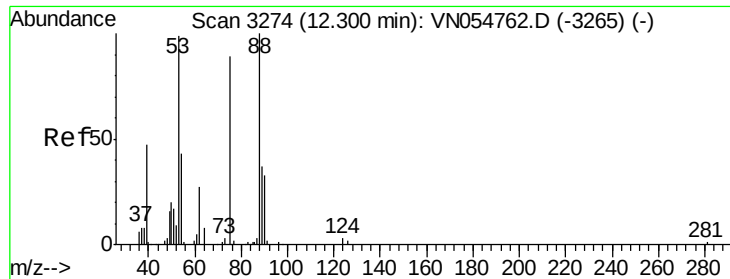
Tgt Ion: 105 Resp: 816817

Ion Ratio Lower Upper

105 100

120 48.6 25.0 75.0





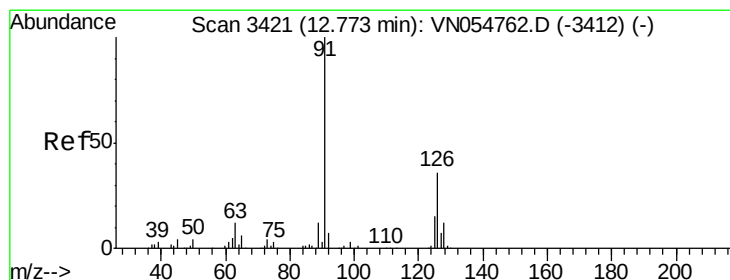
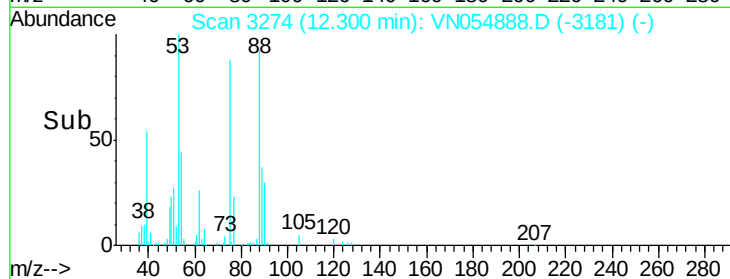
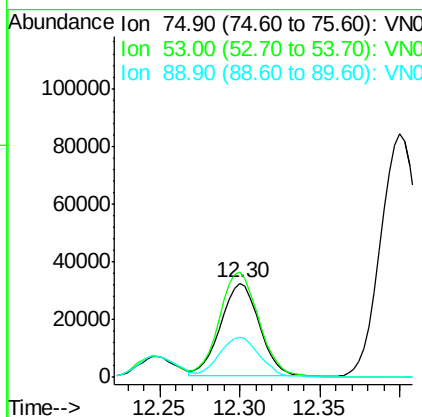
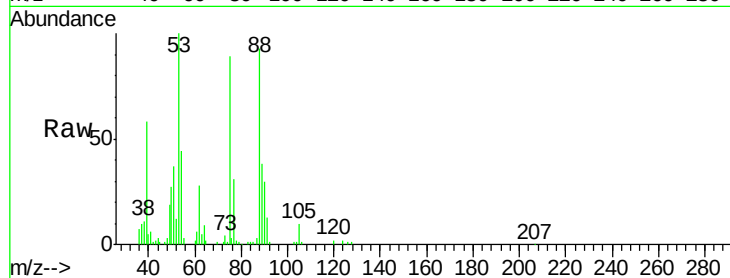
#81
trans-1,4-Dichloro-2-butene
Concen: 49.009 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN054888.D
Acq: 1 Apr 2019 21:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	117.5	76.2	114.2#
89	45.4	39.2	58.8

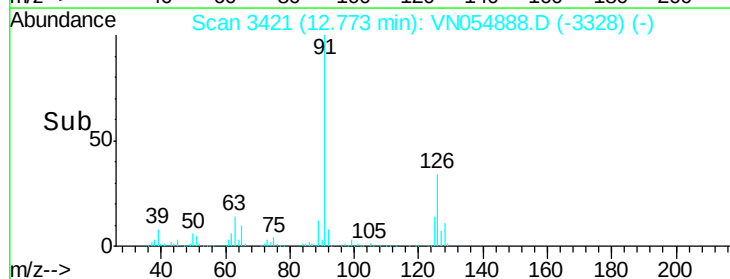
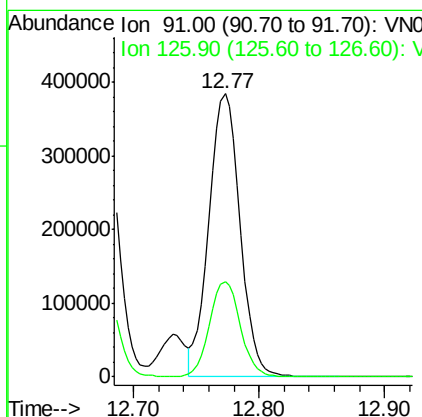
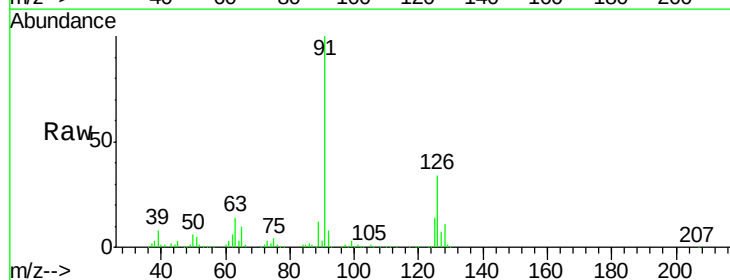
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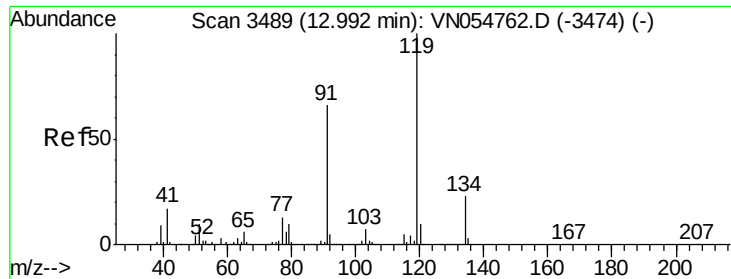
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#82
4-Chlorotoluene
Concen: 50.074 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN054888.D
Acq: 1 Apr 2019 21:13

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.5	18.1	54.1





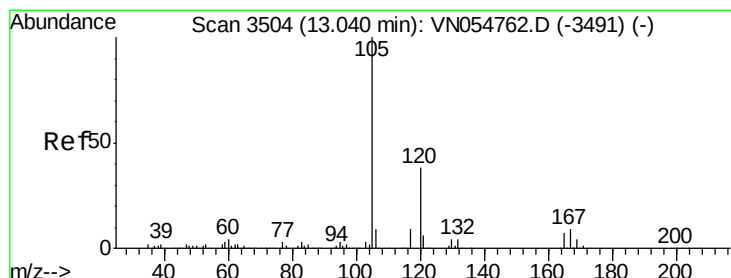
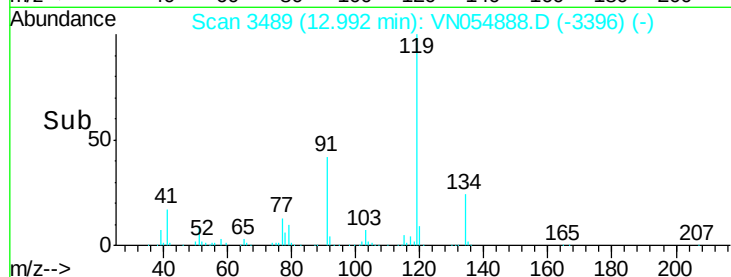
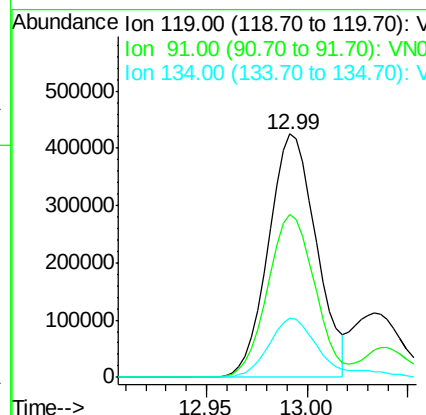
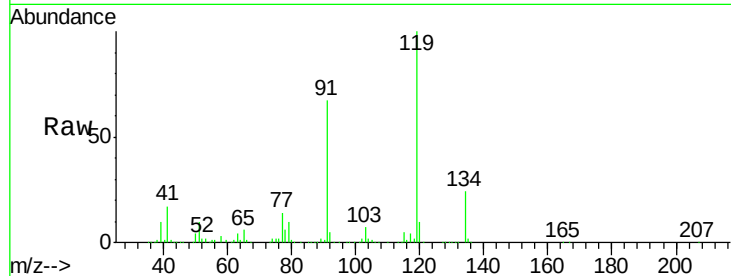
#83
 tert-Butylbenzene
 Concen: 55.280 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN054888.D
 Acq: 1 Apr 2019 21:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.2	30.9	92.8
134	26.3	13.2	39.6

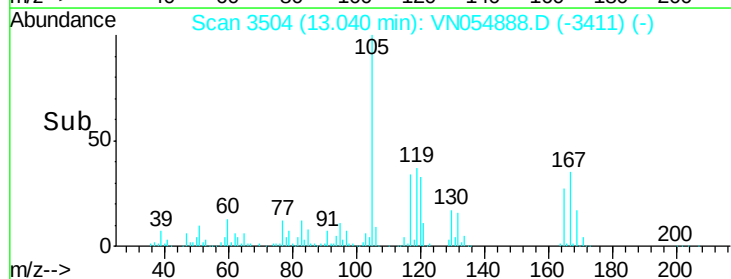
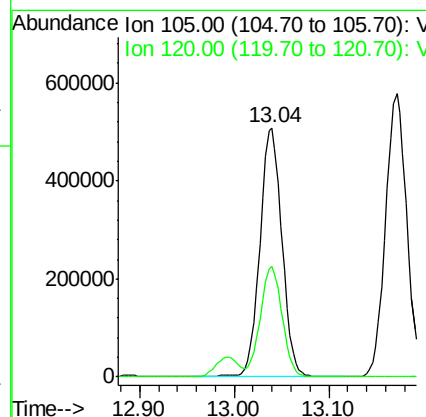
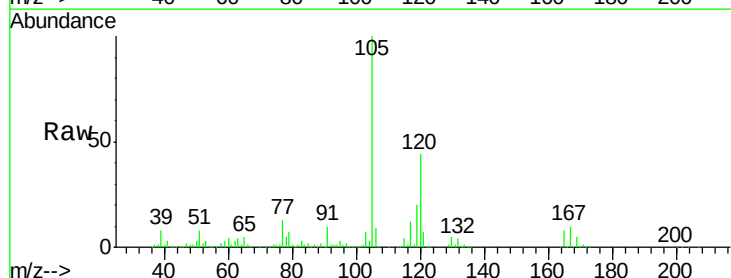
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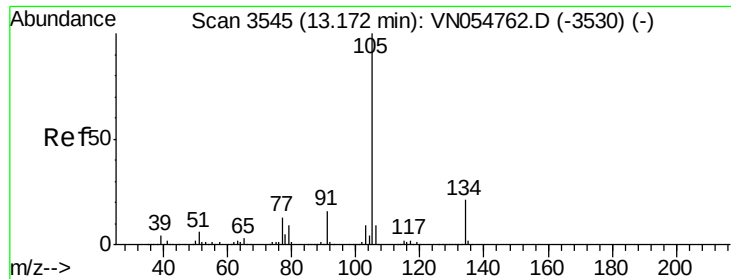
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#84
 1,2,4-Trimethylbenzene
 Concen: 52.542 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN054888.D
 Acq: 1 Apr 2019 21:13

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.1	23.4	70.3





#85

sec-Butylbenzene

Concen: 50.541 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN054888.D

Acq: 1 Apr 2019 21:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 901623

Ion Ratio Lower Upper

105 100

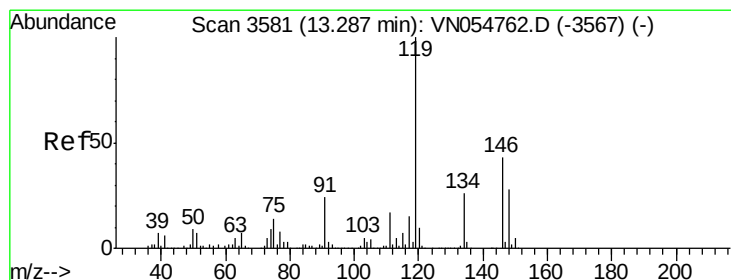
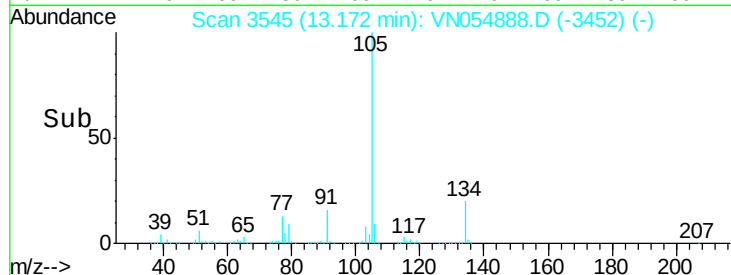
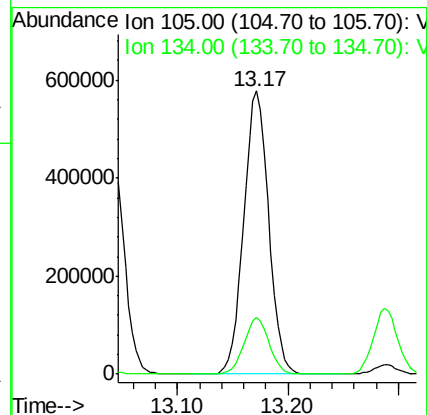
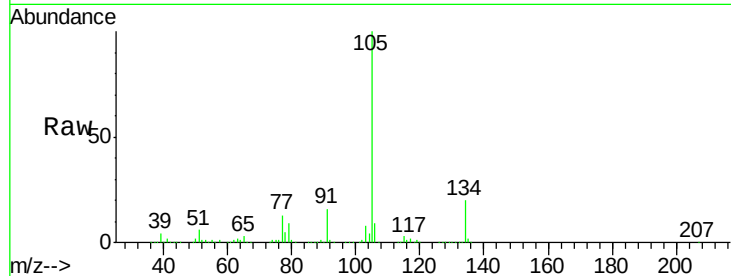
134 19.9 10.7 32.1

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#86

p-Isopropyltoluene

Concen: 49.372 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN054888.D

Acq: 1 Apr 2019 21:13

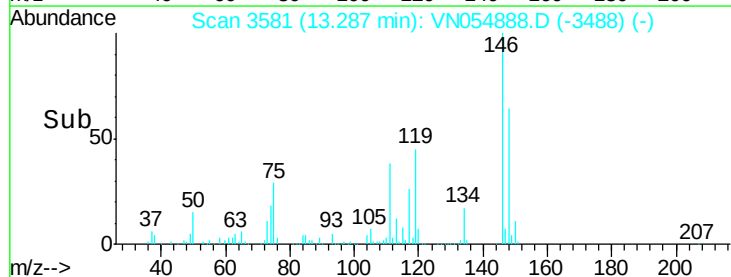
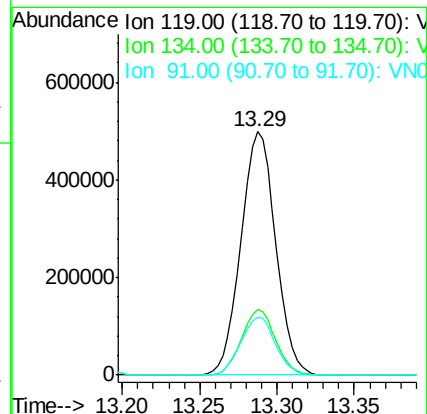
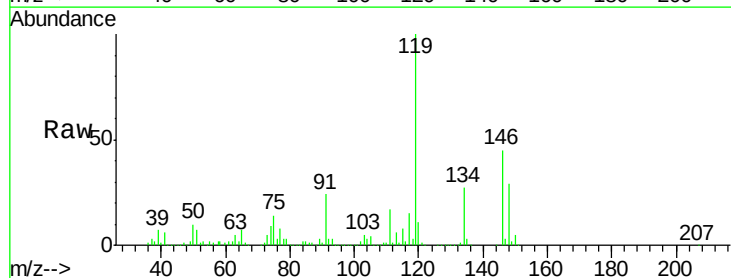
Tgt Ion:119 Resp: 776821

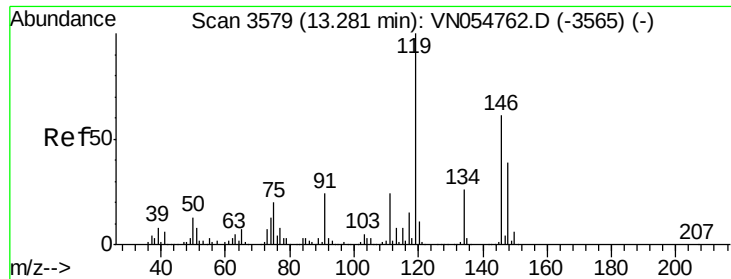
Ion Ratio Lower Upper

119 100

134 26.5 13.6 40.8

91 23.8 11.1 33.3





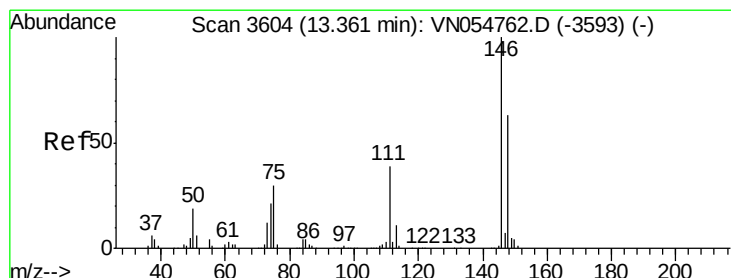
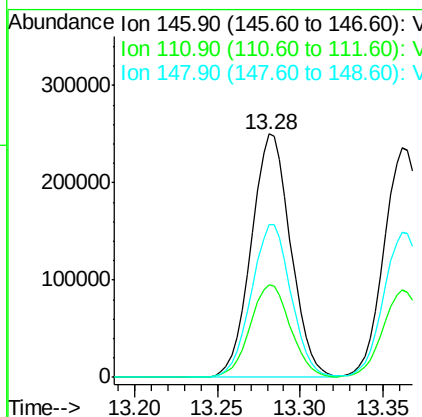
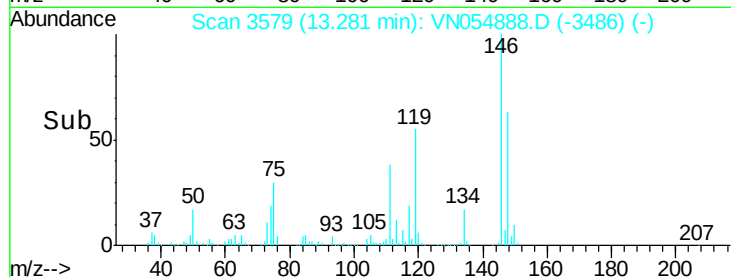
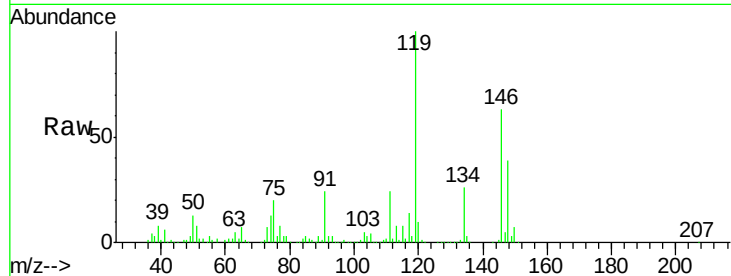
#87
 1,3-Dichlorobenzene
 Concen: 51.092 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN054888.D
 Acq: 1 Apr 2019 21:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	413183		
111	38.9	18.8	56.3	
148	63.2	32.2	96.6	

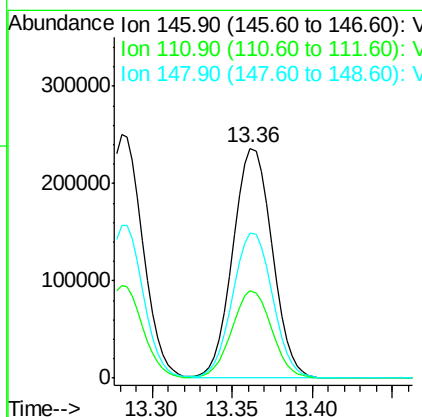
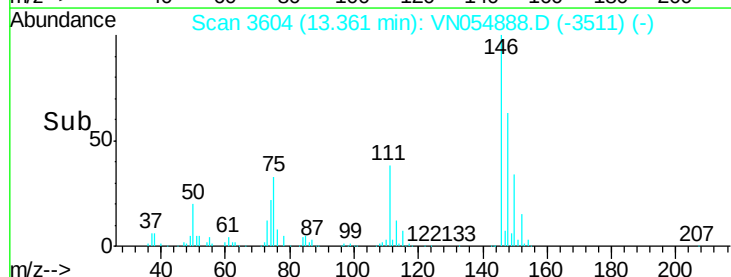
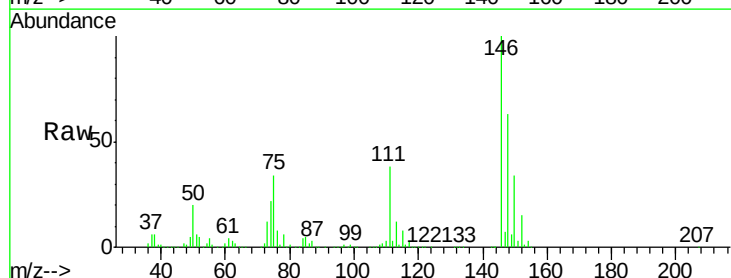
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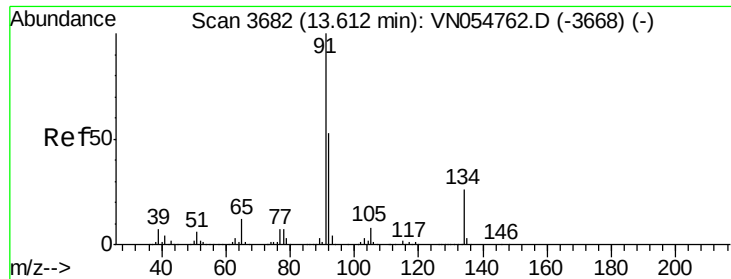
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#88
 1,4-Dichlorobenzene
 Concen: 50.050 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN054888.D
 Acq: 1 Apr 2019 21:13

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	396981		
111	38.6	18.1	54.1	
148	64.2	32.0	96.0	





#89

n-Butylbenzene

Concen: 49.158 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN054888.D

Acq: 1 Apr 2019 21:13

Instrument :

MSVOA_N

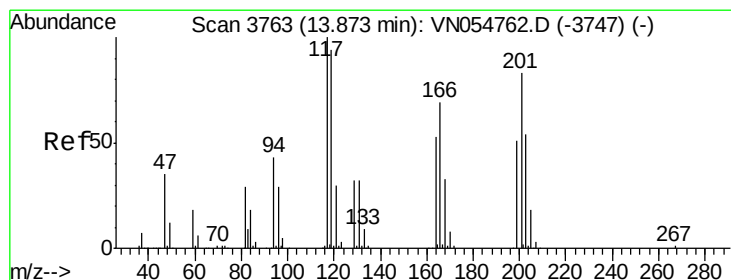
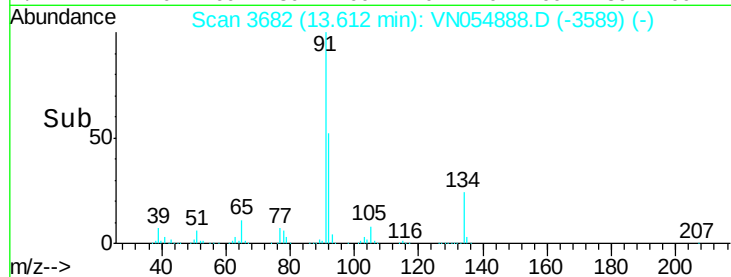
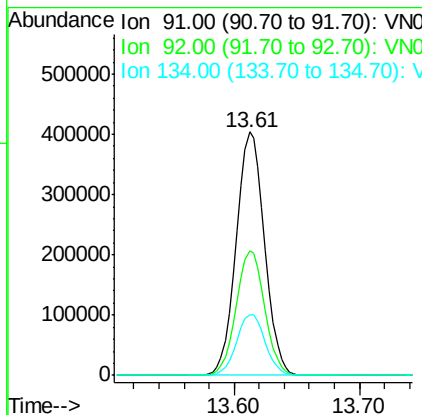
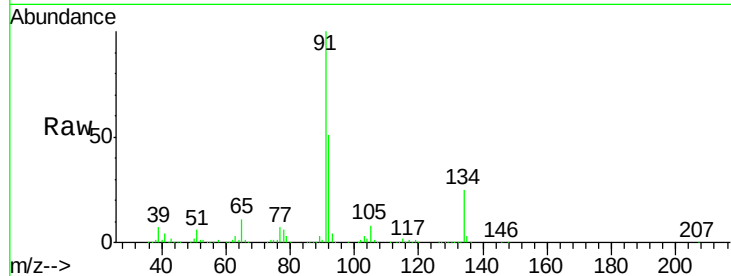
ClientSampleId :

VSTDCCC050EC

Tot Ion:	91	Resp:	631055
Ion Ratio	Lower	Upper	
91	100		
92	51.4	26.2	78.6
134	25.3	14.3	42.9

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#90

Hexachloroethane

Concen: 51.787 ug/l

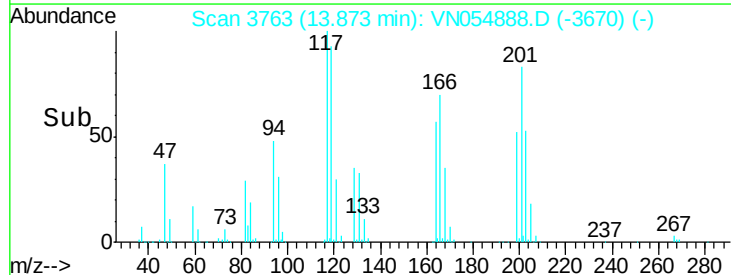
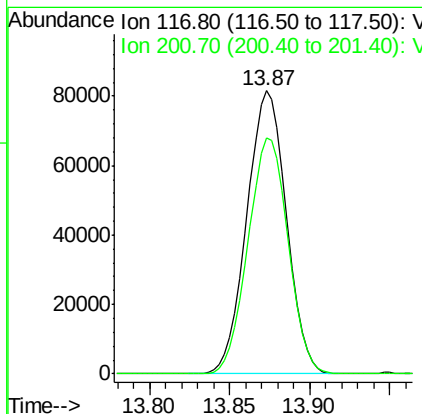
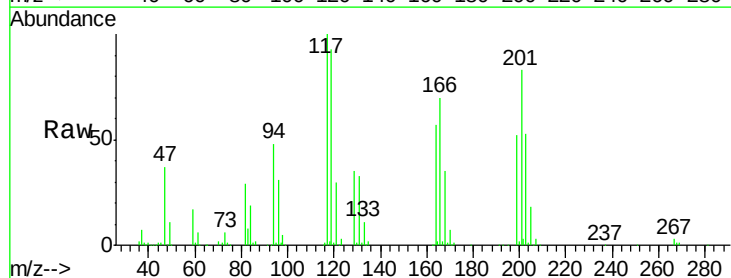
RT: 13.87 min Scan# 3763

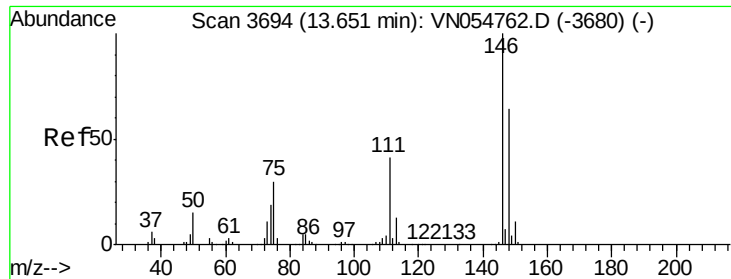
Delta R.T. -0.00 min

Lab File: VN054888.D

Acq: 1 Apr 2019 21:13

Tgt Ion:	117	Resp:	138344
Ion Ratio	Lower	Upper	
117	100		
201	84.4	48.1	144.4





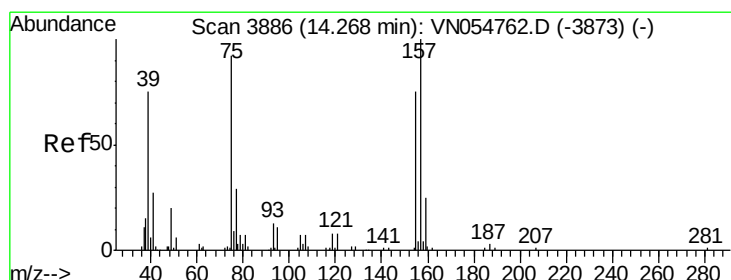
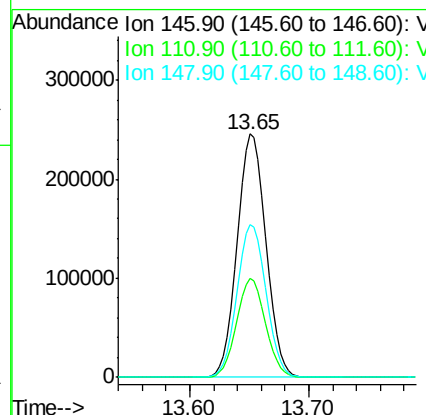
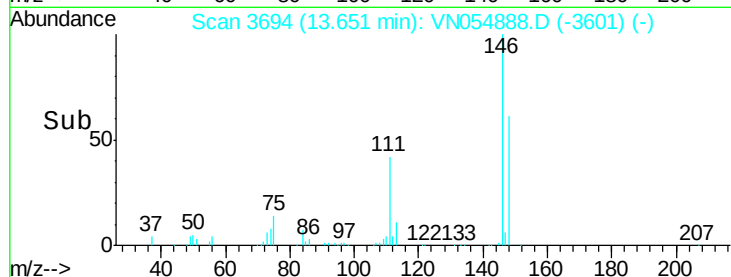
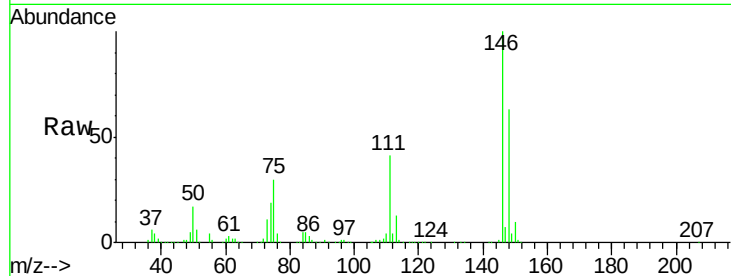
#91
 1,2-Dichlorobenzene
 Concen: 50.552 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN054888.D
 Acq: 1 Apr 2019 21:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.5	19.1	57.3
148	63.3	32.4	97.0

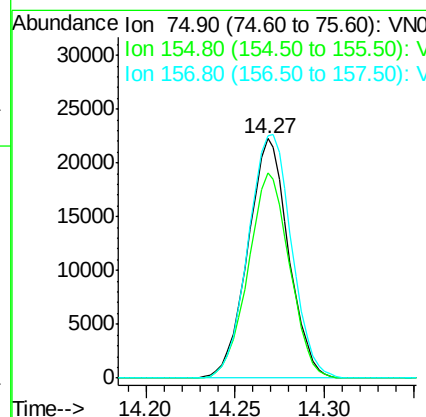
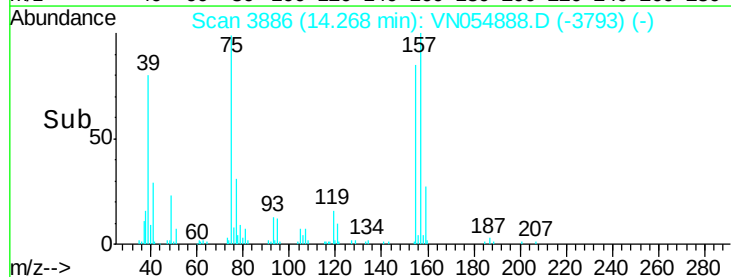
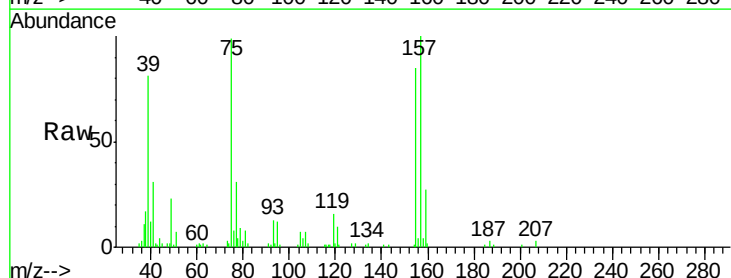
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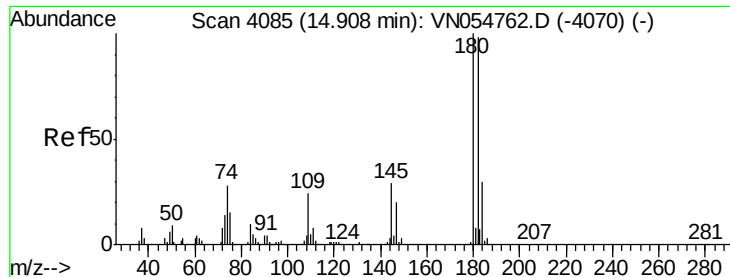
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.746 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN054888.D
 Acq: 1 Apr 2019 21:13

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.0	50.1	150.3
157	108.3	63.1	189.3





#93

1,2,4-Trichlorobenzene

Concen: 48.561 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. -0.00 min

Lab File: VN054888.D

Acq: 1 Apr 2019 21:13

Instrument :

MSVOA_N

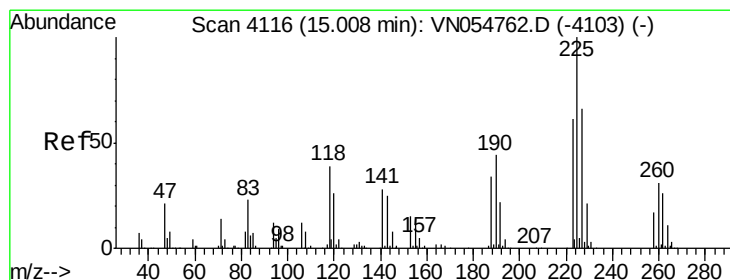
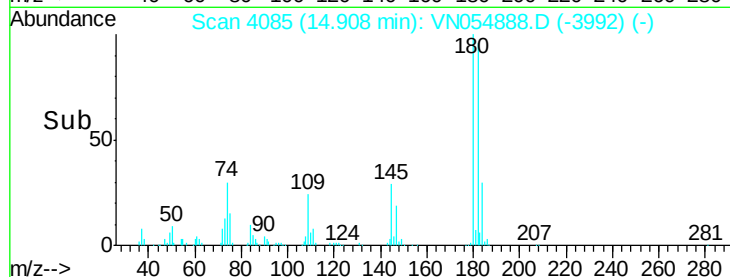
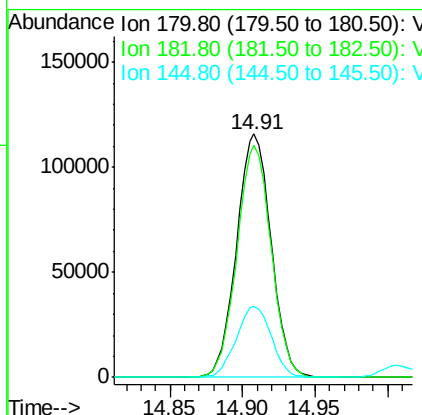
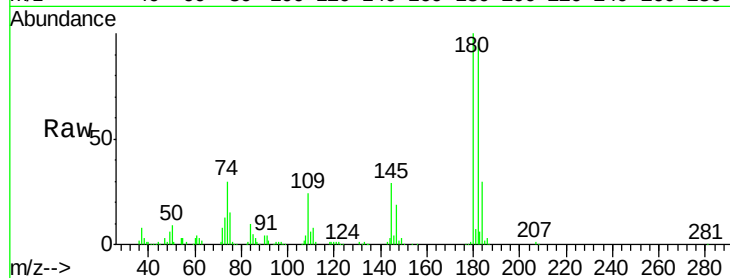
ClientSampleId :

VSTDCCC050EC

Tot Ion:	180	Resp:	191077
Ion Ratio	Lower	Upper	
180	100		
182	94.7	48.0	144.2
145	29.8	14.2	42.8

Manual Integrations
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MMDadoda
4/2/2019 10:51:21 AM



#94

Hexachlorobutadiene

Concen: 48.152 ug/l

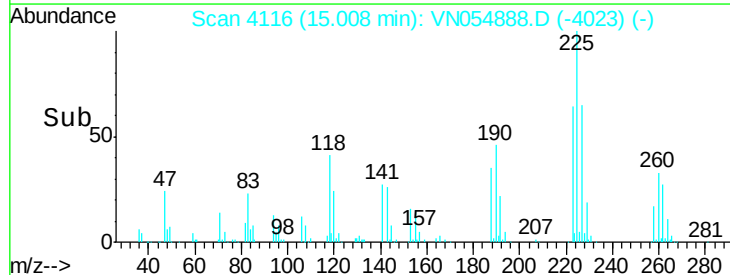
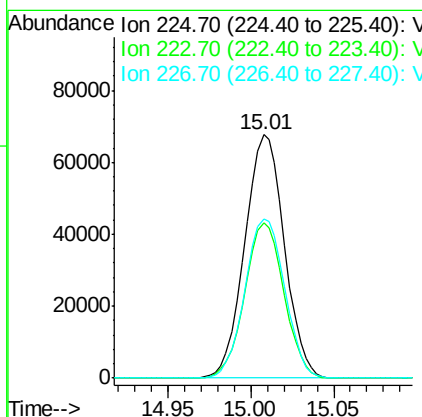
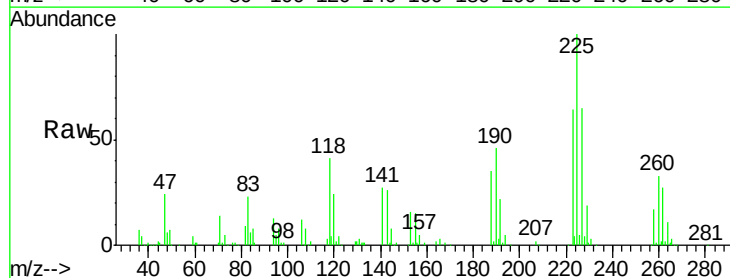
RT: 15.01 min Scan# 4116

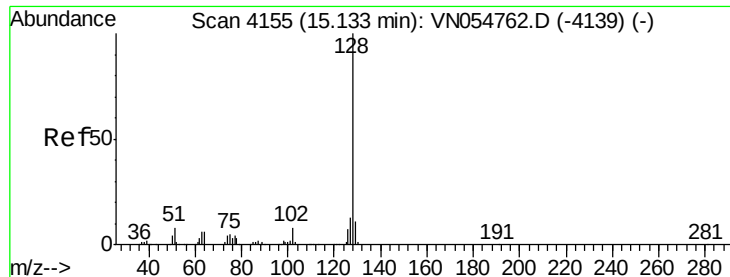
Delta R.T. 0.00 min

Lab File: VN054888.D

Acq: 1 Apr 2019 21:13

Tgt Ion:	225	Resp:	112389
Ion Ratio	Lower	Upper	
225	100		
223	63.3	31.1	93.5
227	65.7	31.9	95.9





#95

Naphthalene

Concen: 47.745 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN054888.D

Acq: 1 Apr 2019 21:13

Instrument :

MSVOA_N

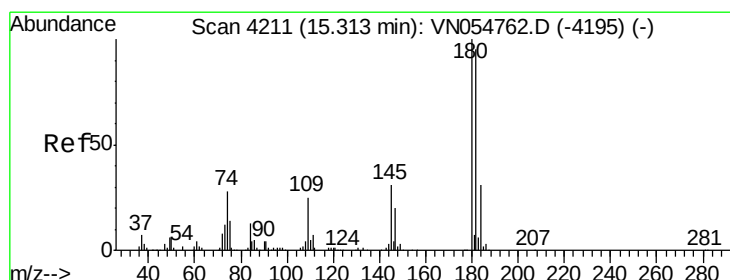
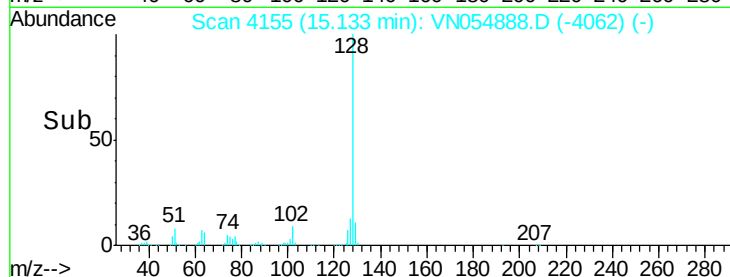
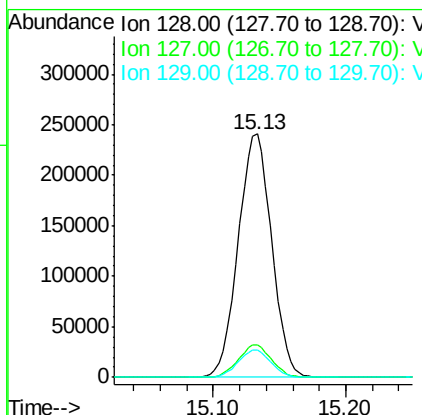
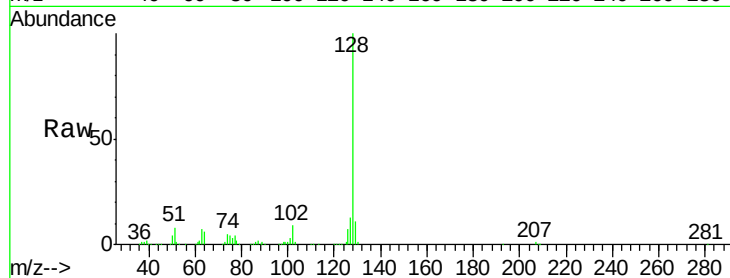
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	421351
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.1	15.1
129	11.0	8.7	13.1

Manual Integrations
APPROVED

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#96

1,2,3-Trichlorobenzene

Concen: 48.706 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN054888.D

Acq: 1 Apr 2019 21:13

Tgt Ion:	180	Resp:	193547
Ion Ratio	Lower	Upper	
180	100		
182	94.9	47.5	142.6
145	31.1	14.8	44.3

