

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN020819\
 Data File : VN053692.D
 Acq On : 8 Feb 2019 19:59
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 2/11/2019 9:49:48 AM

Quant Time: Feb 09 03:41:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N013019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 01 09:11:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	761011	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1183234	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1026072	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	484835	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	396012	51.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.74%	
35) Dibromofluoromethane	7.59	113	388020	51.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.80%	
50) Toluene-d8	10.09	98	1431151	50.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.96%	
62) 4-Bromofluorobenzene	12.40	95	486892	52.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.00%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	387381	45.185	ug/l	100
3) Chloromethane	2.06	50	434431	48.085	ug/l	99
4) Vinyl Chloride	2.19	62	430078	49.038	ug/l	99
5) Bromomethane	2.57	94	295581	51.544	ug/l	97
6) Chloroethane	2.71	64	274448	54.760	ug/l	100
7) Trichlorofluoromethane	3.02	101	581325	48.878	ug/l	100
8) Diethyl Ether	3.41	74	220894	50.856	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.76	101	354262	48.163	ug/l	99
10) Methyl Iodide	3.96	142	561020	48.595	ug/l	99
11) Tert butyl alcohol	4.77	59	121195	268.236	ug/l	99
12) 1,1-Dichloroethene	3.74	96	346425	49.158	ug/l	98
13) Acrolein	3.61	56	86995	353.641	ug/l	98
14) Allyl chloride	4.33	41	558542	49.778	ug/l	98
15) Acrylonitrile	4.99	53	654489	268.325	ug/l	99
16) Acetone	3.81	43	445814	227.660	ug/l	98
17) Carbon Disulfide	4.06	76	951930	43.381	ug/l	100
18) Methyl Acetate	4.32	43	320292	55.229	ug/l	98
19) Methyl tert-butyl Ether	5.04	73	949922	53.173	ug/l	99
20) Methylene Chloride	4.55	84	395715	48.166	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	368172	48.425	ug/l	98
22) Diisopropyl ether	5.95	45	1097535	52.789	ug/l	99
23) Vinyl Acetate	5.90	43	3752300	260.889	ug/l	98
24) 1,1-Dichloroethane	5.85	63	689781	49.742	ug/l	100
25) 2-Butanone	6.83	43	699329	250.396	ug/l	98
26) 2,2-Dichloropropane	6.83	77	492389	46.514	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	429716	50.829	ug/l	97
28) Bromochloromethane	7.20	49	294726	48.975	ug/l	97
29) Tetrahydrofuran	7.21	42	475729	265.267	ug/l	98
30) Chloroform	7.37	83	681046	49.543	ug/l	99
31) Cyclohexane	7.66	56	610028	47.239	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	568636	49.706	ug/l	99
36) 1,1-Dichloropropene	7.79	75	518710	48.632	ug/l	99
37) Ethyl Acetate	6.93	43	313756	52.670	ug/l	99
38) Carbon Tetrachloride	7.77	117	503074	46.820	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	598953	47.332	ug/l	98
40) Benzene	8.04	78	1583712	48.150	ug/l	100
41) Methacrylonitrile	7.17	41	169201	50.820	ug/l	93
42) 1,2-Dichloroethane	8.12	62	461865	47.292	ug/l	99
43) Isopropyl Acetate	8.16	43	574842	49.967	ug/l	99
44) Trichloroethene	8.84	130	441838	47.184	ug/l	99
45) 1,2-Dichloropropane	9.12	63	420169	49.944	ug/l	100
46) Dibromomethane	9.21	93	246440	48.594	ug/l	98
47) Bromodichloromethane	9.40	83	512787	48.631	ug/l	98
48) Methyl methacrylate	9.20	41	266504	48.530	ug/l	92
49) 1,4-Dioxane	9.20	88	77789	978.467	ug/l	93
51) 4-Methyl-2-Pentanone	9.99	43	1498568	265.080	ug/l	99
52) Toluene	10.16	92	957466	49.048	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	524160	49.643	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	621669	49.687	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	356029	50.614	ug/l	98
56) Ethyl methacrylate	10.43	69	439766	52.847	ug/l	99
57) 1,3-Dichloropropane	10.71	76	599841	49.896	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1004769	196.465	ug/l	99
59) 2-Hexanone	10.75	43	947238	246.815	ug/l	98
60) Dibromochloromethane	10.90	129	395764	49.893	ug/l	100
61) 1,2-Dibromoethane	11.01	107	338345	48.597	ug/l	99
64) Tetrachloroethene	10.63	164	406128	46.174	ug/l	99
65) Chlorobenzene	11.43	112	1048530	48.109	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	384103	50.463	ug/l	99
67) Ethyl Benzene	11.51	91	1769789	49.432	ug/l	100
68) m/p-Xylenes	11.62	106	1366273	99.988	ug/l	99
69) o-Xylene	11.95	106	668406	50.633	ug/l	99
70) Styrene	11.96	104	1089174	50.904	ug/l	100
71) Bromoform	12.13	173	271032	51.938	ug/l #	99
73) Isopropylbenzene	12.25	105	1737383	50.975	ug/l	100
74) N-amyl acetate	12.07	43	441197	53.831	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	411049	50.392	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	309365m	49.678	ug/l	
77) Bromobenzene	12.53	156	456519	49.699	ug/l	99
78) n-propylbenzene	12.59	91	1997153	50.688	ug/l	100
79) 2-Chlorotoluene	12.68	91	1180208	50.489	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1477305	52.269	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	112022	50.582	ug/l	98
82) 4-Chlorotoluene	12.77	91	1205489	50.257	ug/l	100
83) tert-Butylbenzene	12.99	119	1303731	52.192	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1505688	52.290	ug/l	99
85) sec-Butylbenzene	13.17	105	1760632	51.794	ug/l	99
86) p-Isopropyltoluene	13.29	119	1533860	51.594	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	806699	48.853	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	796390	48.756	ug/l	99
89) n-Butylbenzene	13.62	91	1307542	50.812	ug/l	100
90) Hexachloroethane	13.88	117	257190	52.447	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	786554	49.756	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	57458	49.426	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	442979	48.858	ug/l	100
94) Hexachlorobutadiene	15.01	225	267383	47.355	ug/l	99
95) Naphthalene	15.13	128	955850	45.058	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	417083	49.578	ug/l	100

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

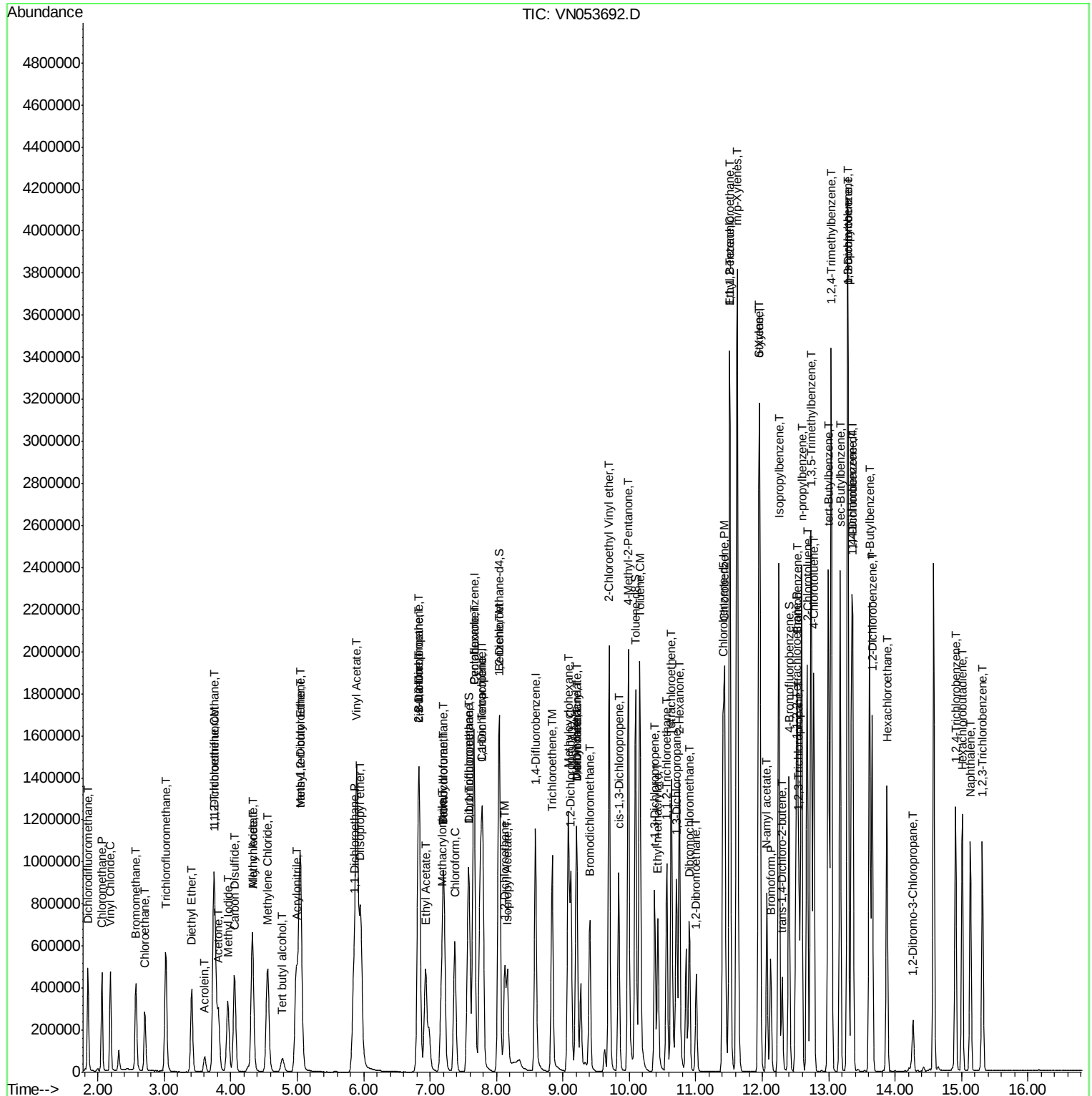
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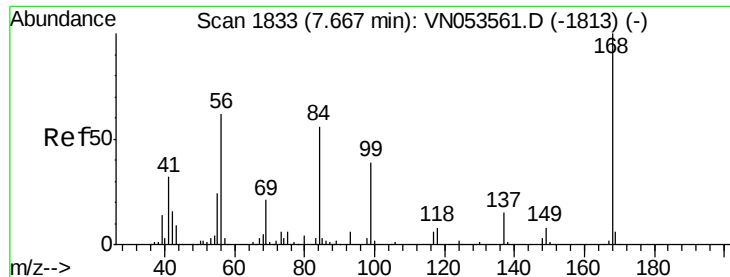
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053692.D

Acq: 8 Feb 2019 19:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 761011

Ion Ratio Lower Upper

168 100

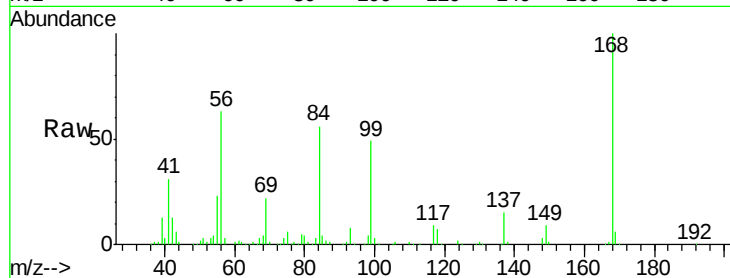
99 48.3 39.1 58.7

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

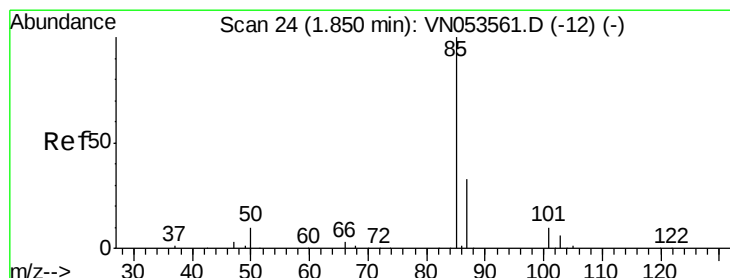
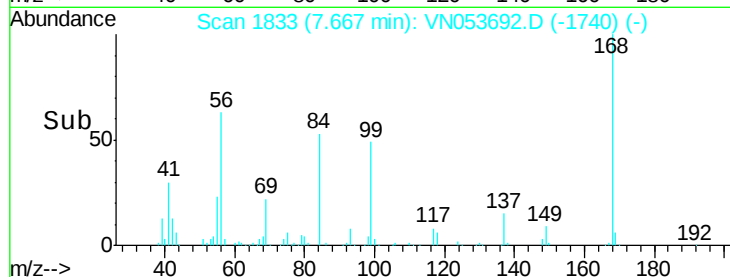
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 45.185 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053692.D

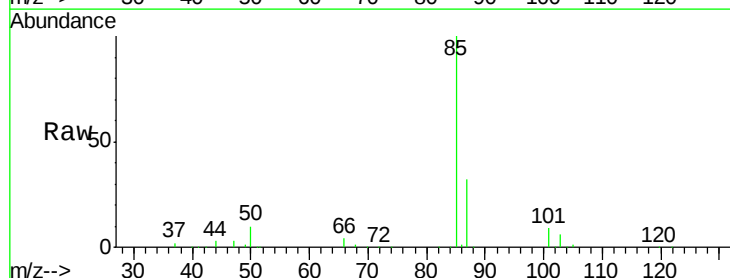
Acq: 8 Feb 2019 19:59

Tgt Ion: 85 Resp: 387381

Ion Ratio Lower Upper

85 100

87 32.0 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

300000

250000

200000

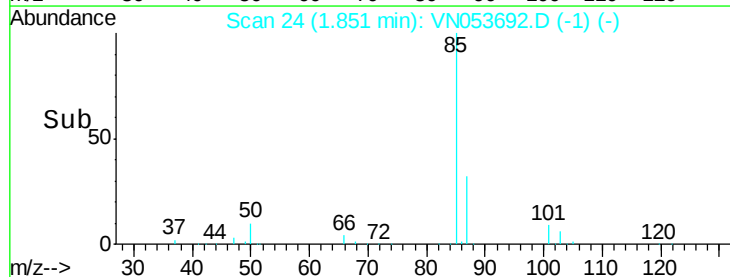
150000

100000

50000

0

Time-->





#3

Chloromethane

Concen: 48.085 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN053692.D

Acq: 8 Feb 2019 19:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 434431

Ion Ratio Lower Upper

50 100

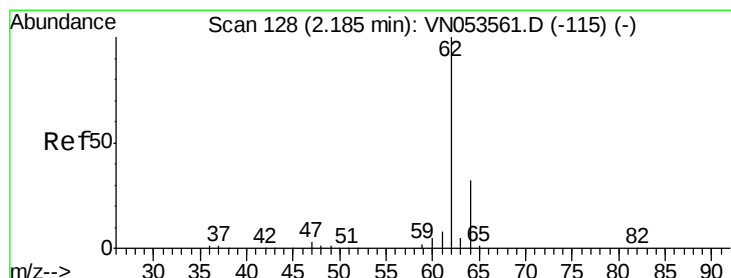
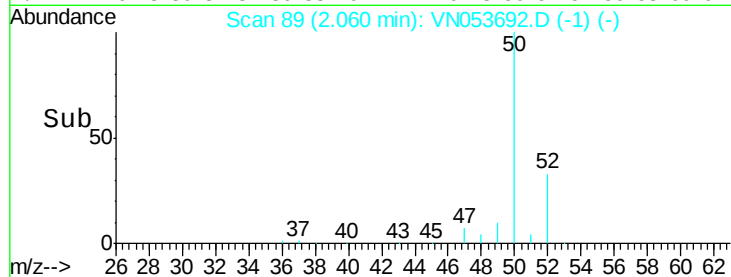
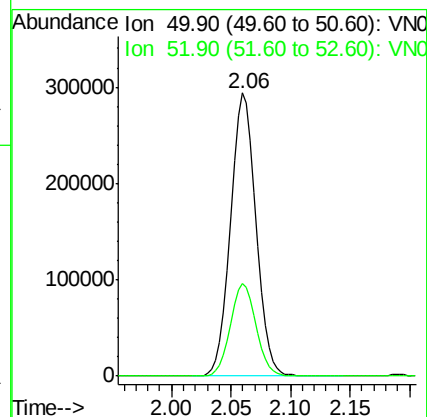
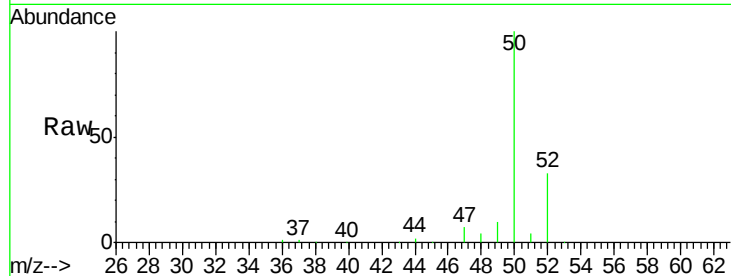
52 32.7 26.6 40.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 49.038 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN053692.D

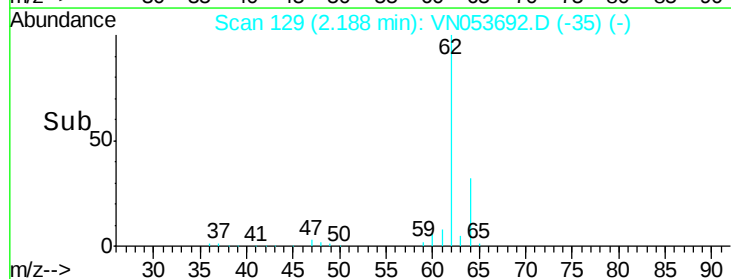
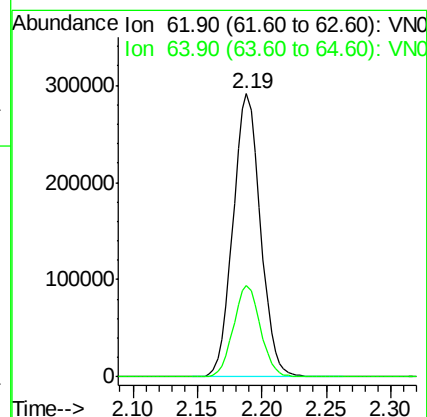
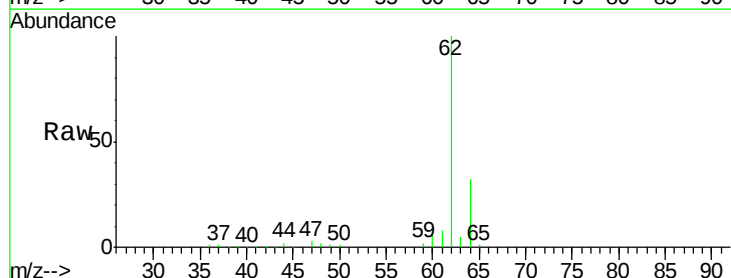
Acq: 8 Feb 2019 19:59

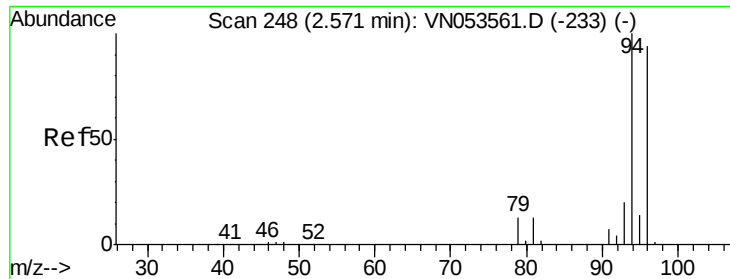
Tgt Ion: 62 Resp: 430078

Ion Ratio Lower Upper

62 100

64 32.4 25.4 38.2





#5

Bromomethane

Concen: 51.544 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.00 min

Lab File: VN053692.D

Acq: 8 Feb 2019 19:59

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 295581

Ion Ratio Lower Upper

94 100

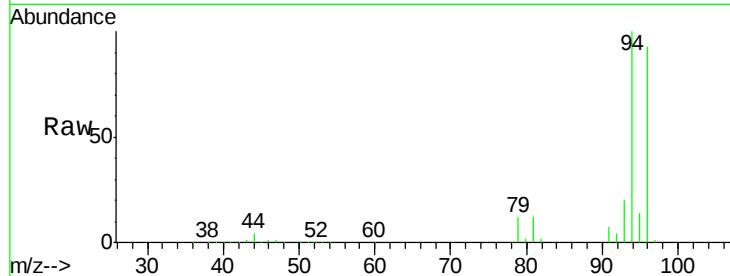
96 93.1 76.8 115.2

Manual Integrations

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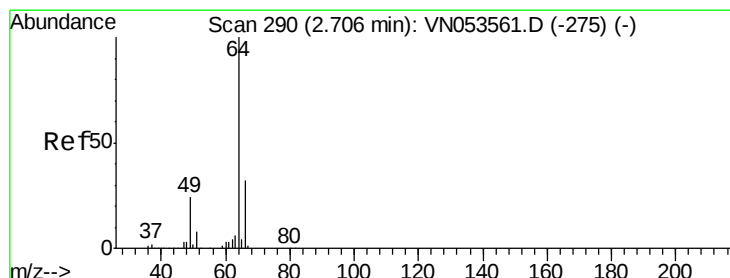
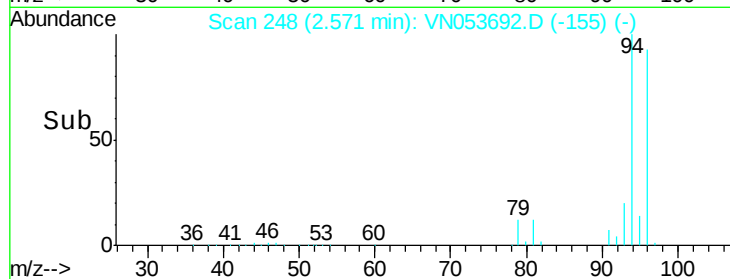
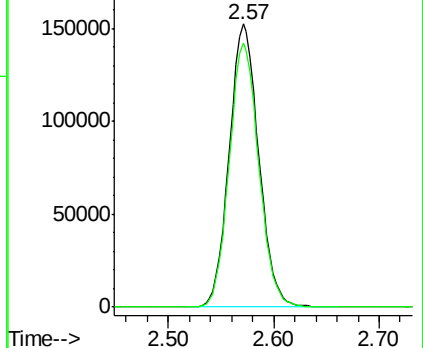
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2/11/2019 9:49:48 AM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 54.760 ug/l

RT: 2.71 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN053692.D

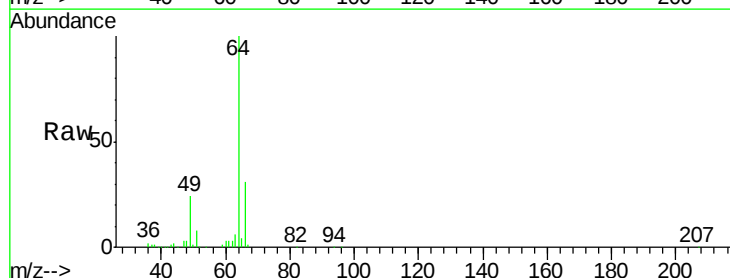
Acq: 8 Feb 2019 19:59

Tgt Ion: 64 Resp: 274448

Ion Ratio Lower Upper

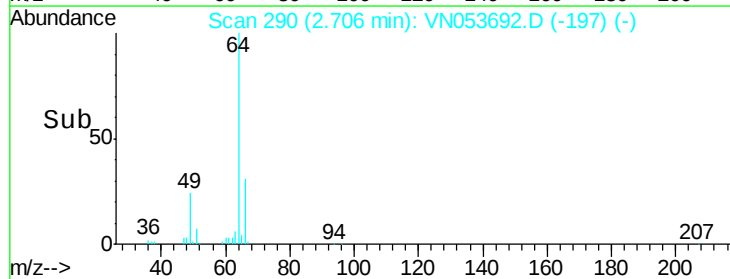
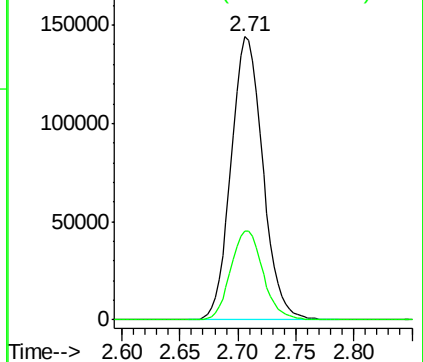
64 100

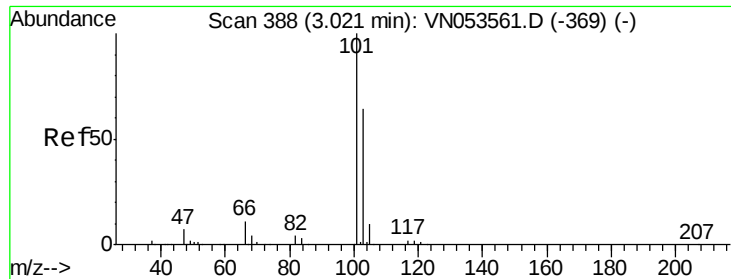
66 31.3 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

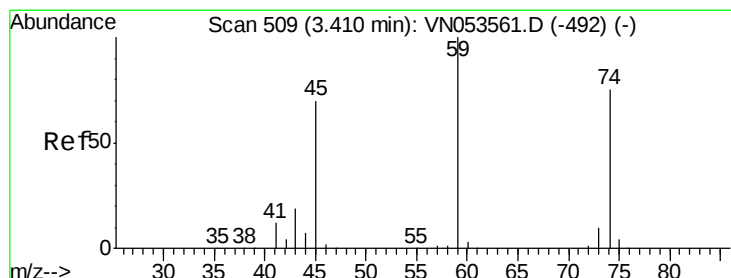
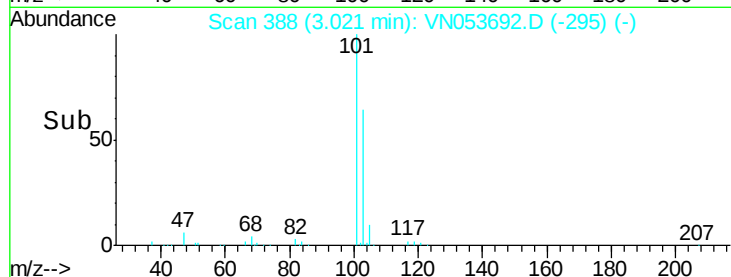
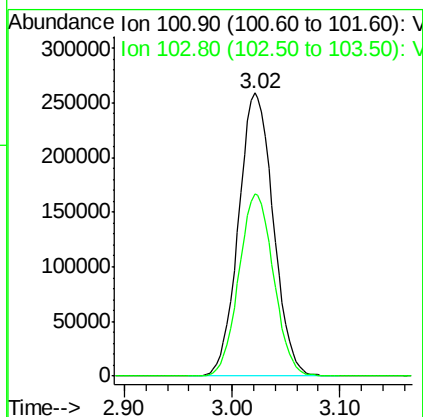
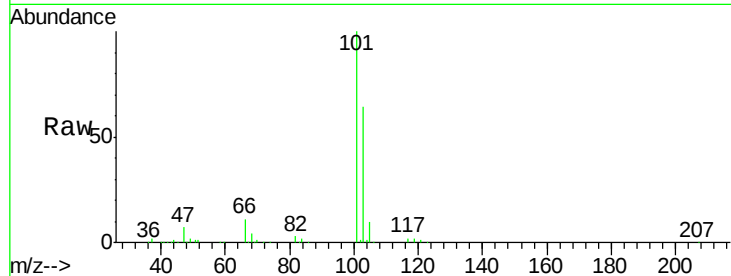
Trichlorofluoromethane
Concen: 48.878 ug/l
RT: 3.02 min Scan# 388
Delta R.T. 0.00 min
Lab File: VN053692.D
Acq: 8 Feb 2019 19:59

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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.4	51.6	77.4

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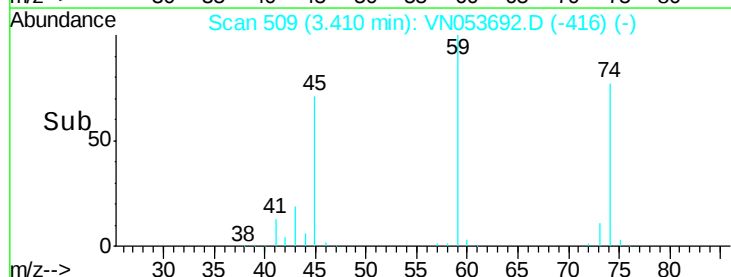
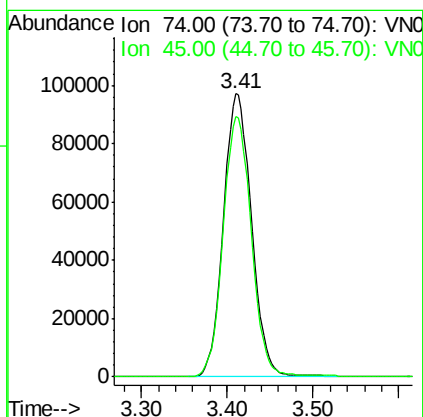
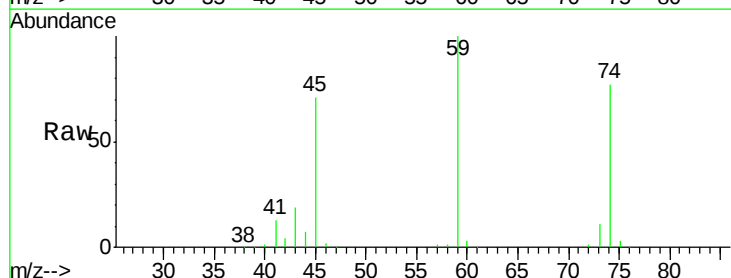
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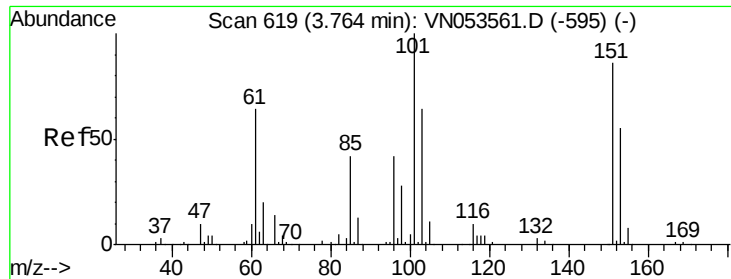


#8

Diethyl Ether
Concen: 50.856 ug/l
RT: 3.41 min Scan# 509
Delta R.T. 0.00 min
Lab File: VN053692.D
Acq: 8 Feb 2019 19:59

Tgt Ion	Ratio	Lower	Upper
74	100		
45	91.7	47.9	143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.163 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN053692.D

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MSVOA_N

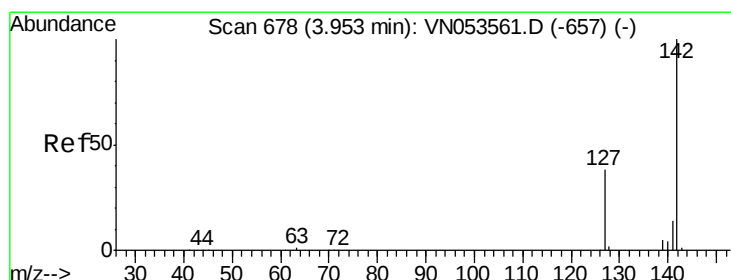
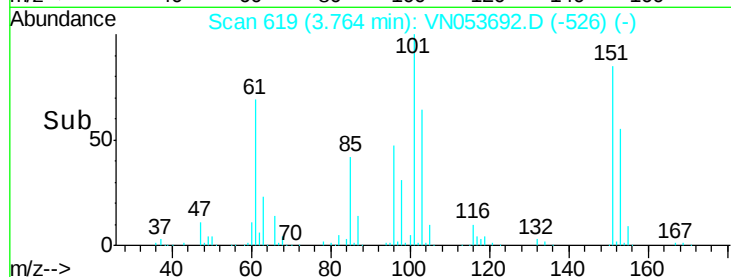
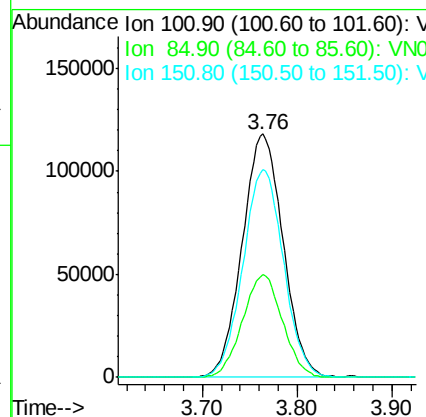
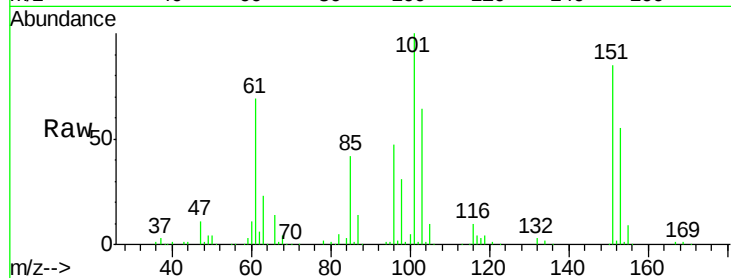
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	354262
Ion Ratio	Lower	Upper	
101	100		
85	41.3	32.8	49.2
151	85.2	66.9	100.3

Manual Integrations
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MMDadoda
2/11/2019 9:49:48 AM



#10

Methyl Iodide

Concen: 48.595 ug/l

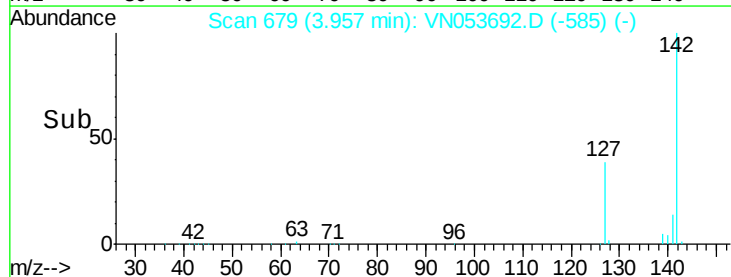
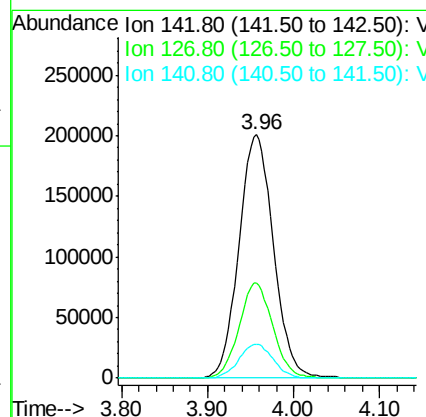
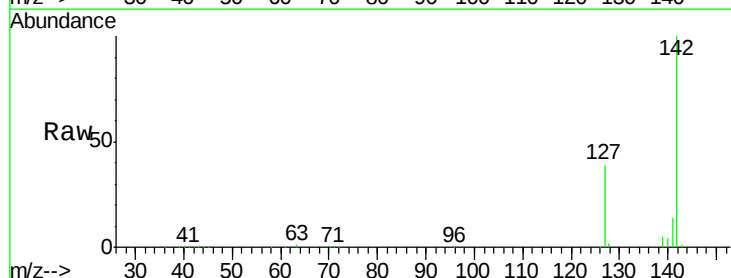
RT: 3.96 min Scan# 679

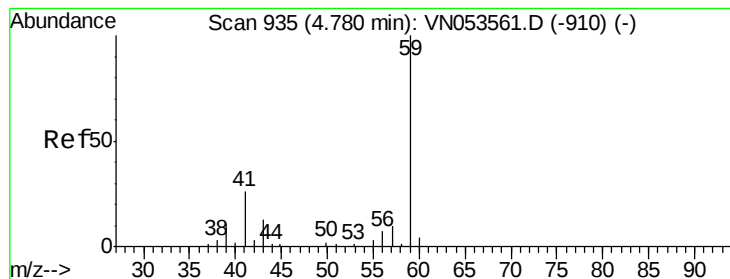
Delta R.T. 0.00 min

Lab File: VN053692.D

Acq: 8 Feb 2019 19:59

Tgt Ion:	142	Resp:	561020
Ion Ratio	Lower	Upper	
142	100		
127	38.2	31.0	46.4
141	14.0	11.1	16.7





#11

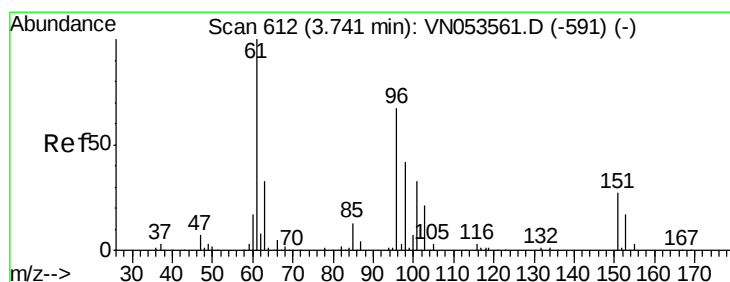
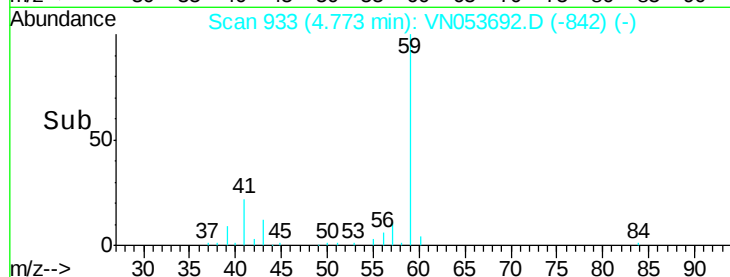
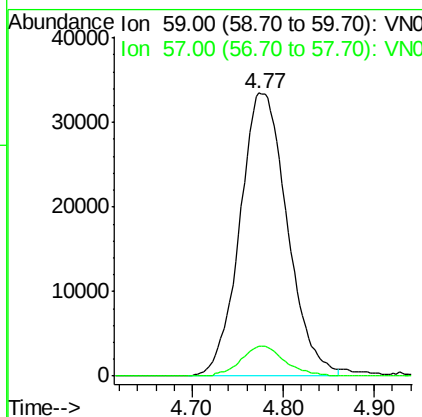
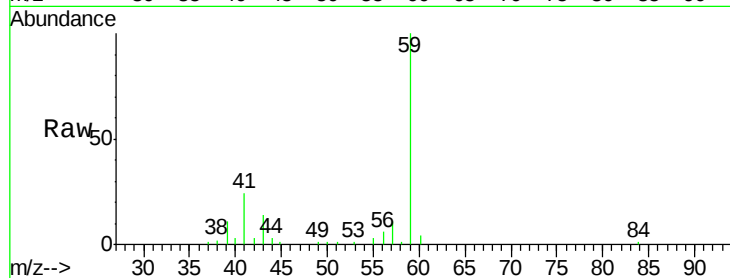
Tert butyl alcohol
 Concen: 268.236 ug/l
 RT: 4.77 min Scan# 933
 Delta R.T. -0.01 min
 Lab File: VN053692.D
 Acq: 8 Feb 2019 19:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
59	100	121195		
57	9.8		8.2	12.4

Manual Integrations
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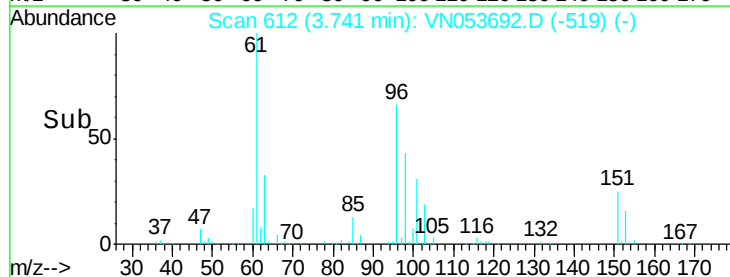
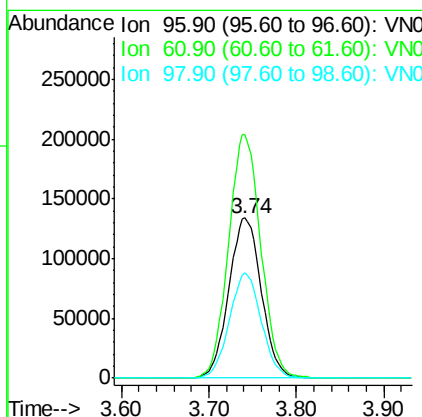
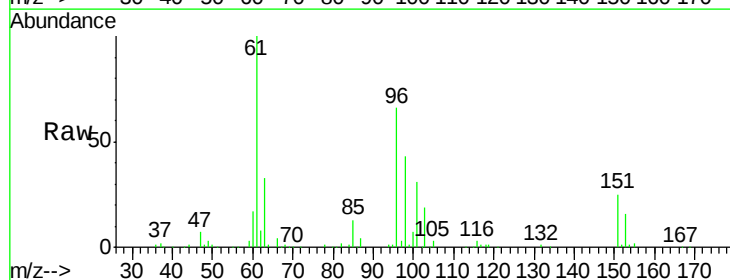
MMDadoda
 2/11/2019 9:49:48 AM

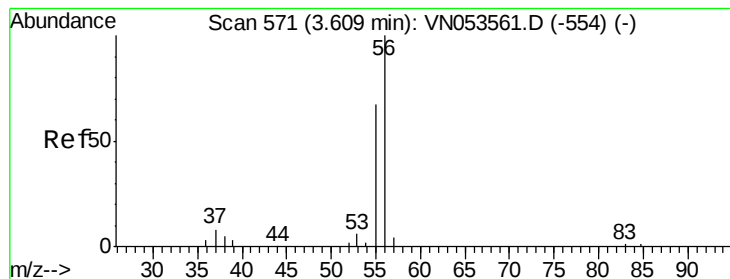


#12

1,1-Dichloroethene
 Concen: 49.158 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. 0.00 min
 Lab File: VN053692.D
 Acq: 8 Feb 2019 19:59

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	346425		
61	152.0		122.9	184.3
98	65.8		49.4	74.0





#13

Acrolein

Concen: 353.641 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN053692.D

Acq: 8 Feb 2019 19:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 86995

Ion Ratio Lower Upper

56 100

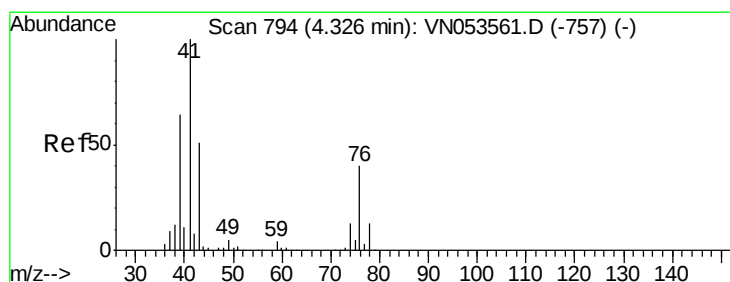
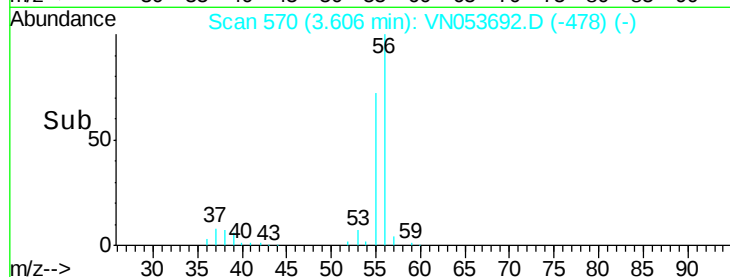
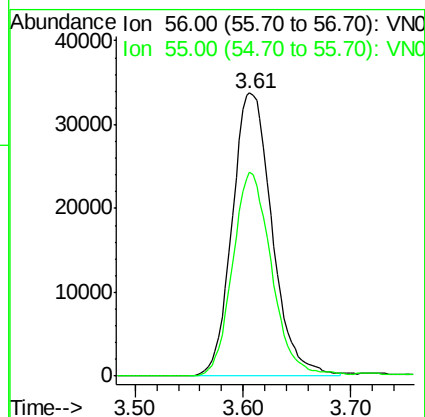
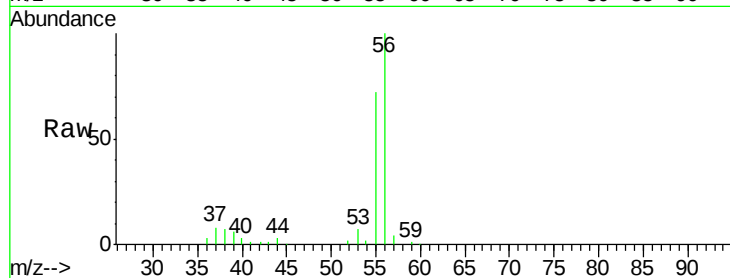
55 69.8 57.4 86.0

Manual Integrations

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MMDadoda

2/11/2019 9:49:48 AM



#14

Allyl chloride

Concen: 49.778 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN053692.D

Acq: 8 Feb 2019 19:59

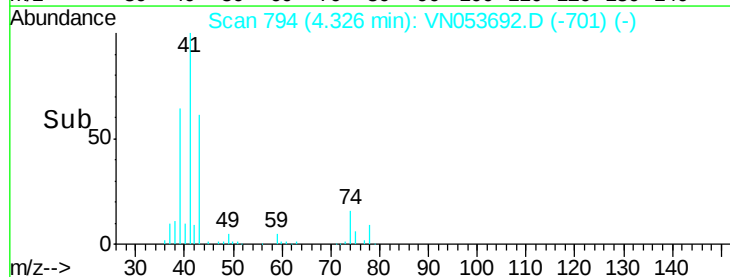
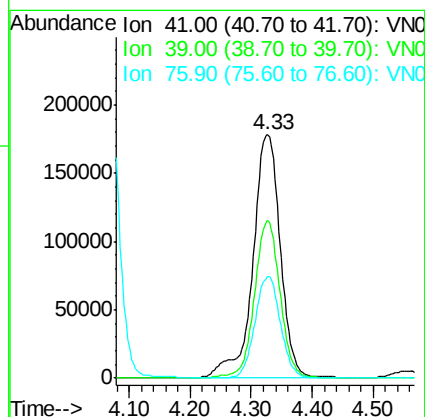
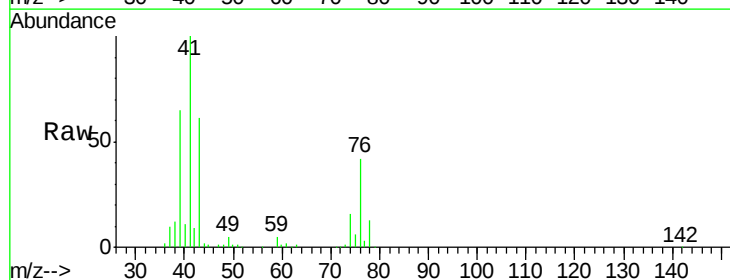
Tgt Ion: 41 Resp: 558542

Ion Ratio Lower Upper

41 100

39 60.1 48.9 73.3

76 38.2 29.4 44.2





#15

Acrylonitrile

Concen: 268.325 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN053692.D

Acq: 8 Feb 2019 19:59

Instrument :

MSVOA_N

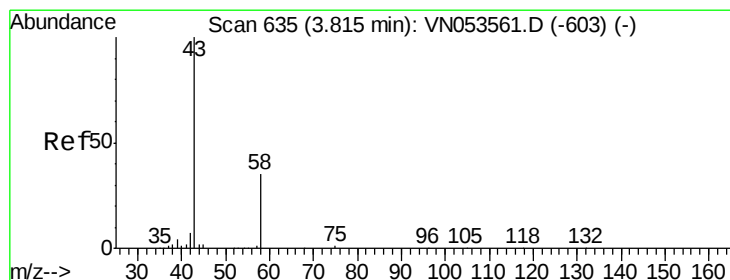
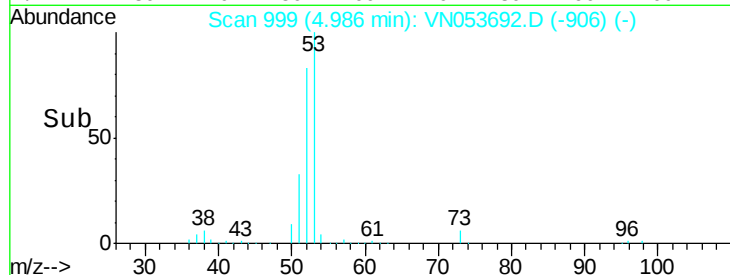
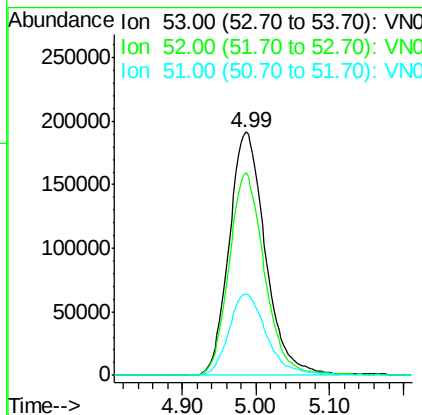
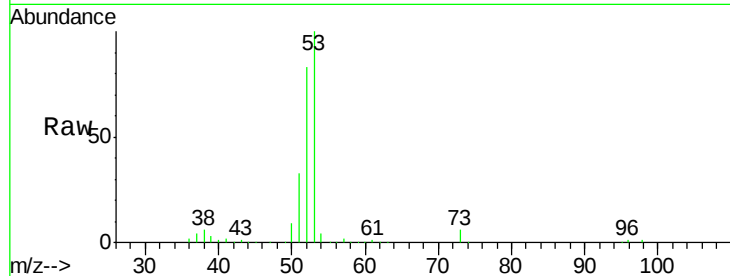
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	654489
Ion	Ratio	Lower	Upper
53	100		
52	81.5	66.0	99.0
51	35.0	28.3	42.5

Manual Integrations
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2/11/2019 9:49:48 AM



#16

Acetone

Concen: 227.660 ug/l

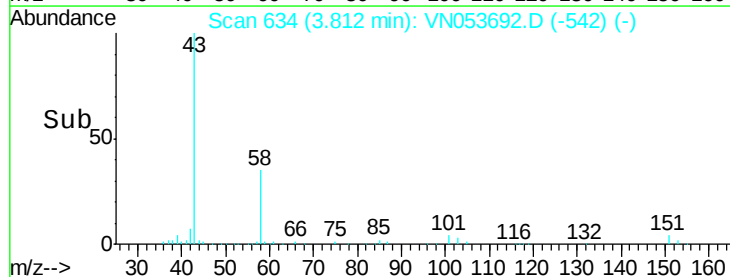
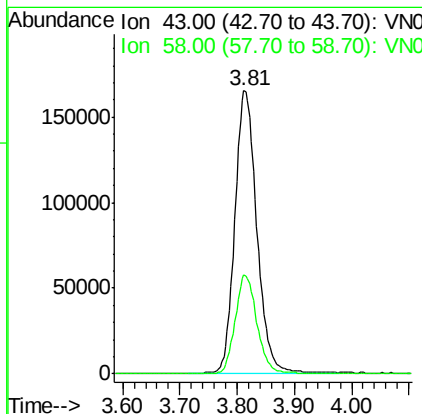
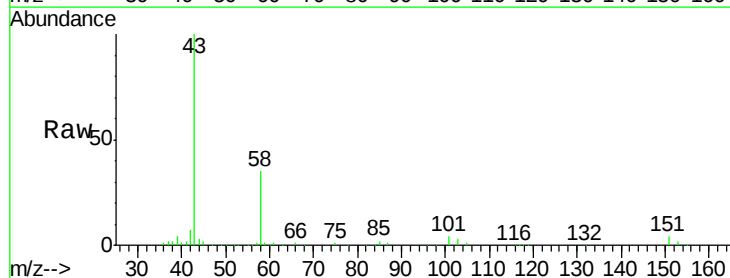
RT: 3.81 min Scan# 634

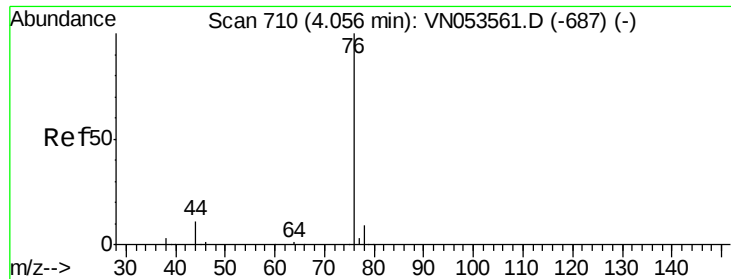
Delta R.T. -0.00 min

Lab File: VN053692.D

Acq: 8 Feb 2019 19:59

Tgt Ion:	43	Resp:	445814
Ion	Ratio	Lower	Upper
43	100		
58	35.0	27.1	40.7





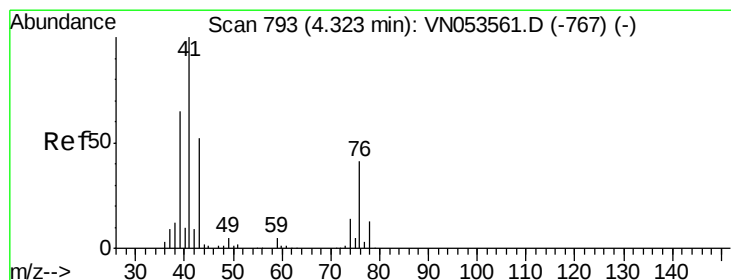
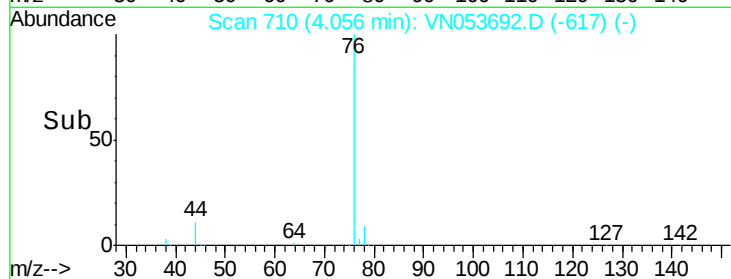
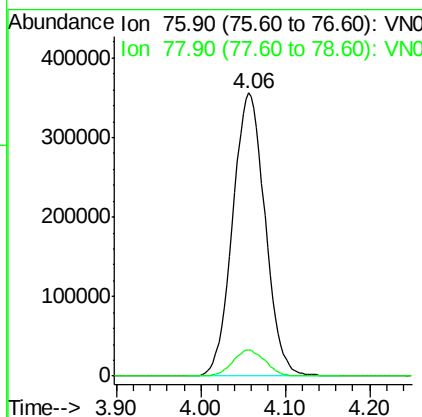
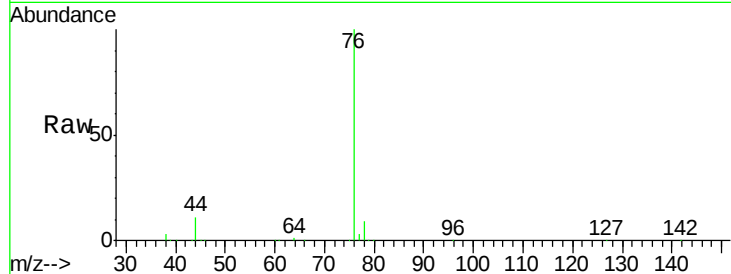
#17
Carbon Disulfide
Concen: 43.381 ug/l
RT: 4.06 min Scan# 710
Delta R.T. 0.00 min
Lab File: VN053692.D
Acq: 8 Feb 2019 19:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.3	10.9

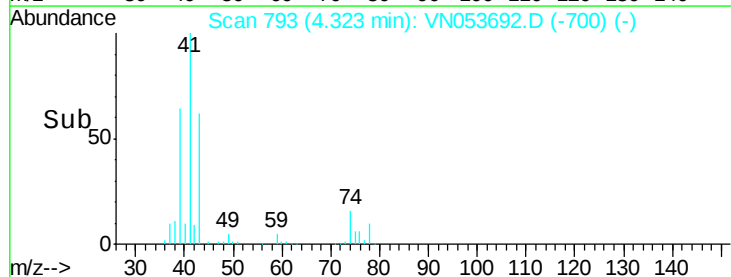
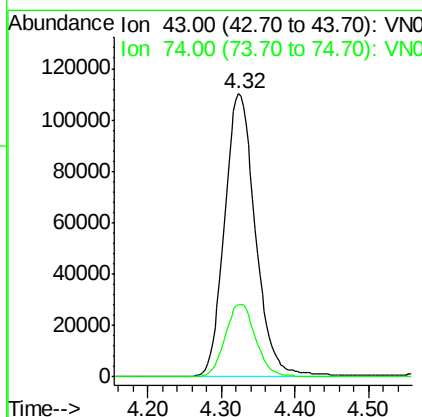
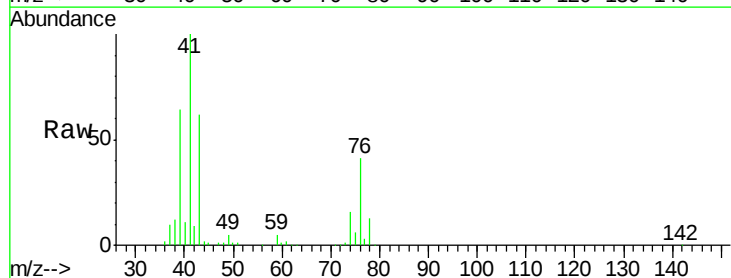
Manual Integrations
APPROVED

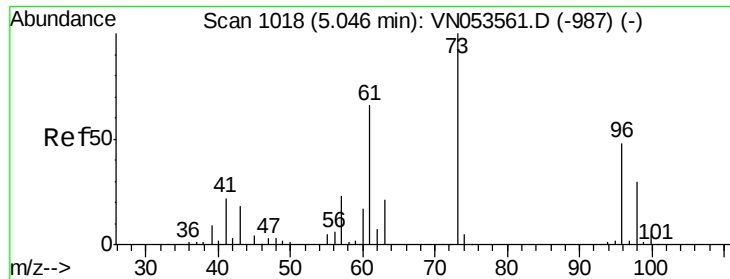
MMDadoda
2/11/2019 9:49:48 AM



#18
Methyl Acetate
Concen: 55.229 ug/l
RT: 4.32 min Scan# 793
Delta R.T. 0.00 min
Lab File: VN053692.D
Acq: 8 Feb 2019 19:59

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.4	19.4	29.2





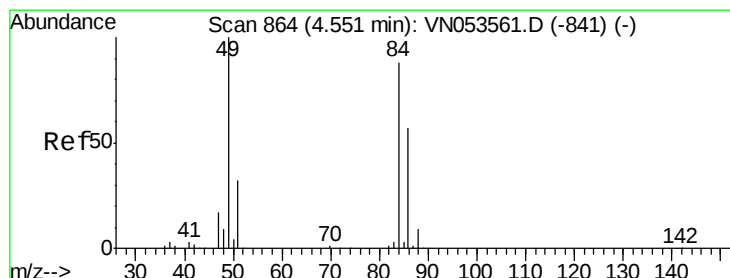
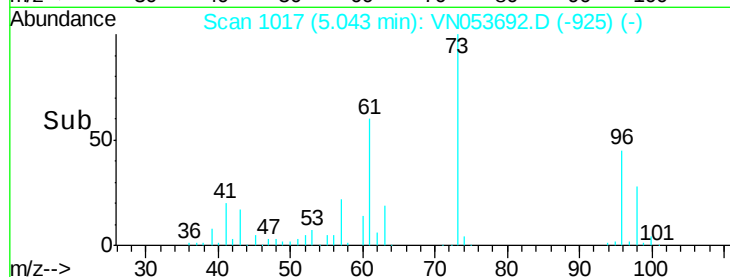
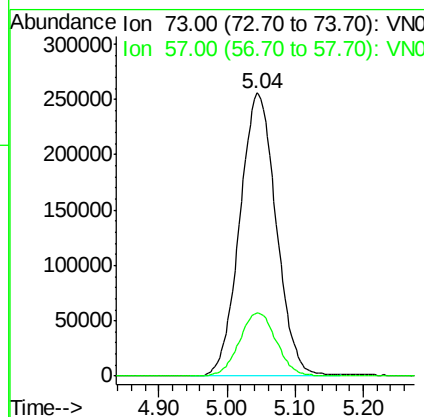
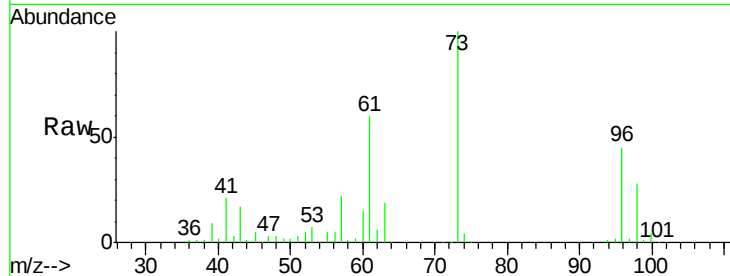
#19
Methyl tert-butyl Ether
Concen: 53.173 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN053692.D
Acq: 8 Feb 2019 19:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.2	18.3	27.5

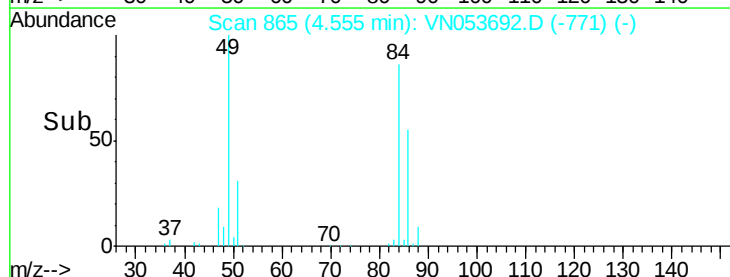
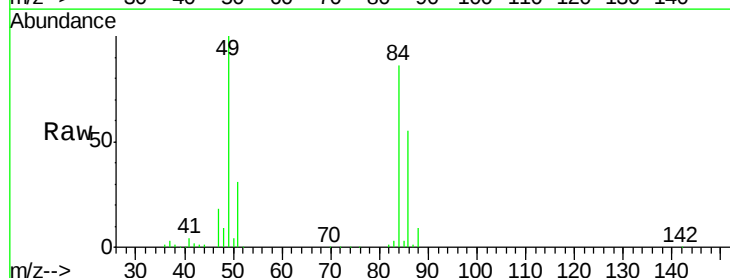
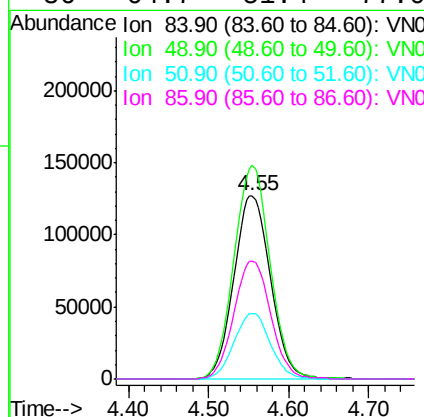
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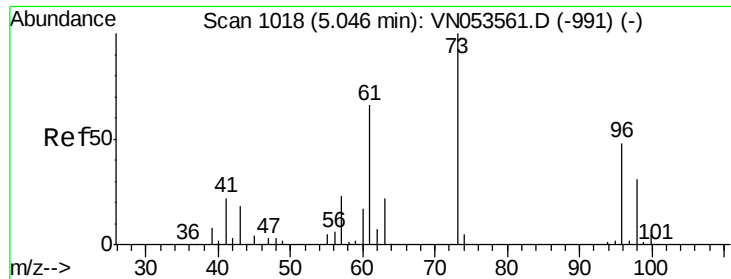
MMDadoda
2/11/2019 9:49:48 AM



#20
Methylene Chloride
Concen: 48.166 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN053692.D
Acq: 8 Feb 2019 19:59

Tgt Ion	Ratio	Lower	Upper
84	100		
49	116.7	94.3	141.5
51	36.0	29.4	44.2
86	64.7	51.4	77.0





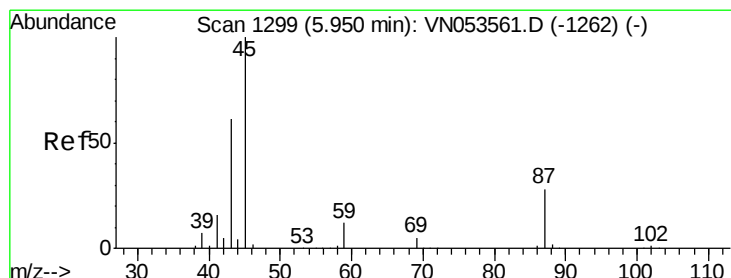
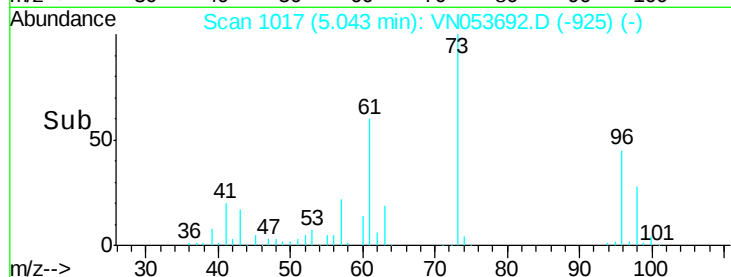
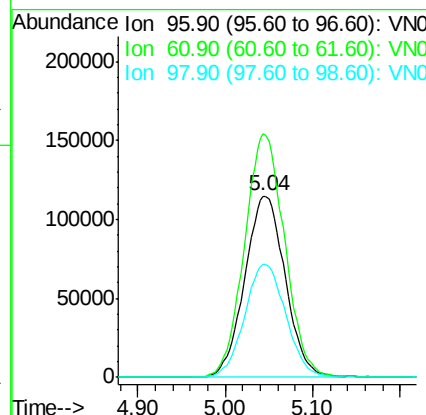
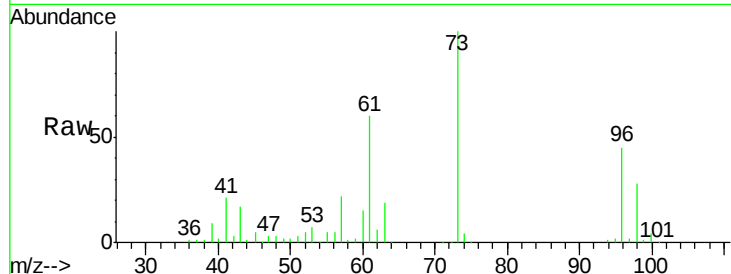
#21
trans-1,2-Dichloroethene
Concen: 48.425 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN053692.D
Acq: 8 Feb 2019 19:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	134.3	110.1	165.1
98	62.3	50.0	75.0

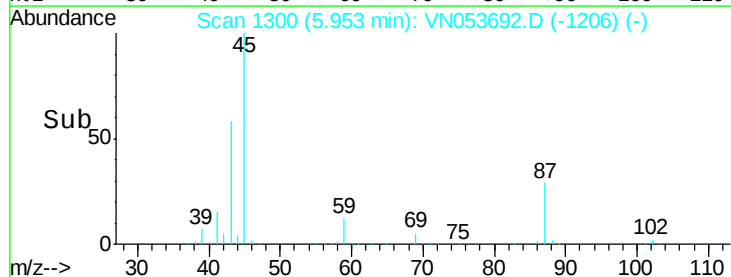
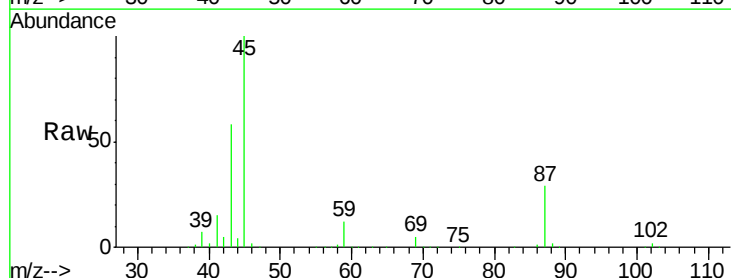
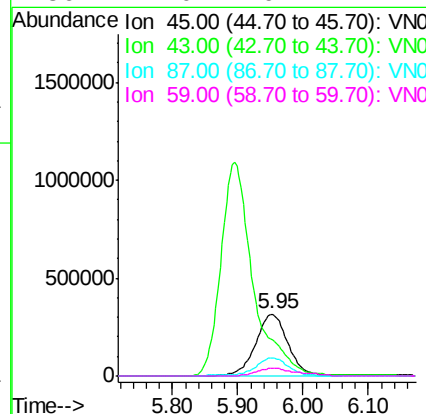
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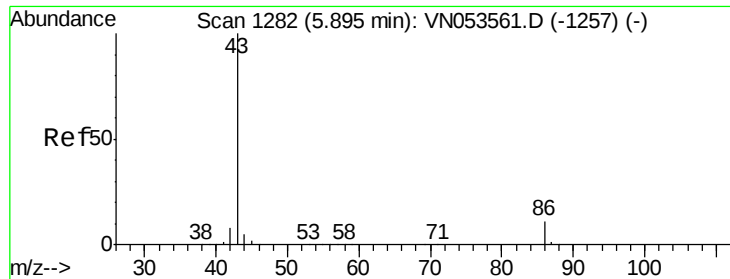
MMDadoda
2/11/2019 9:49:48 AM



#22
Diisopropyl ether
Concen: 52.789 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN053692.D
Acq: 8 Feb 2019 19:59

Tgt Ion	Ratio	Lower	Upper
45	100		
43	56.7	44.2	66.4
87	28.0	22.7	34.1
59	12.0	9.4	14.2





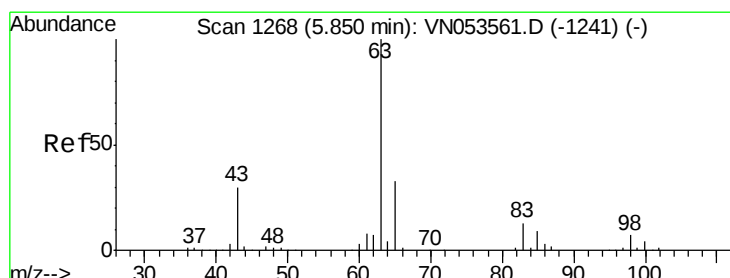
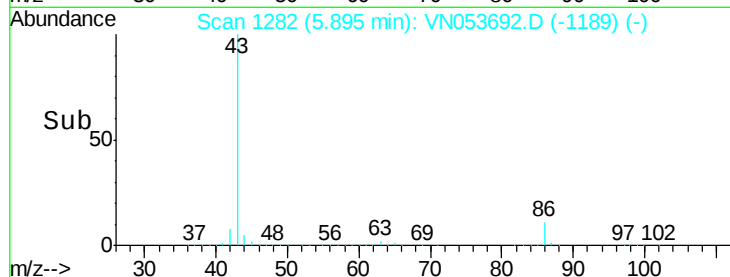
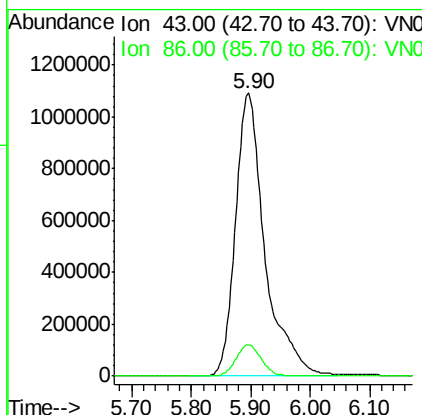
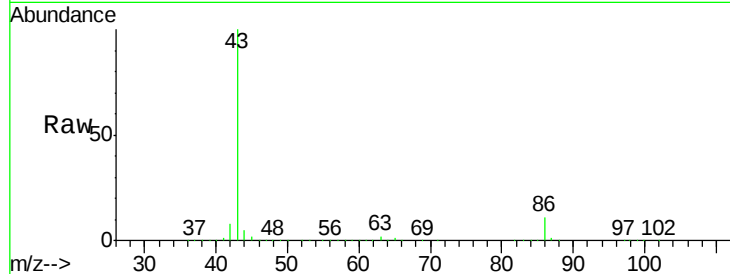
#23
 Vinyl Acetate
 Concen: 260.889 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN053692.D
 Acq: 8 Feb 2019 19:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 3752300
 Ion Ratio Lower Upper
 43 100
 86 11.2 8.4 12.6

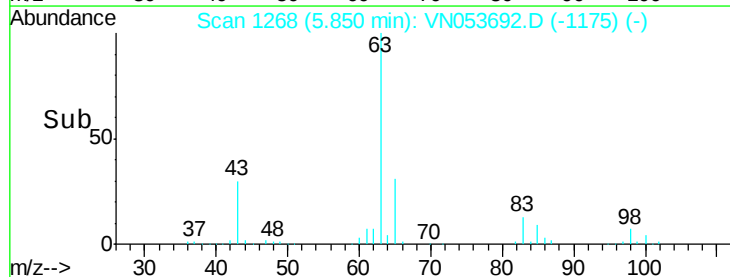
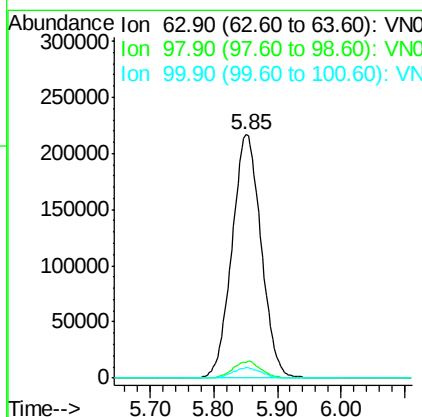
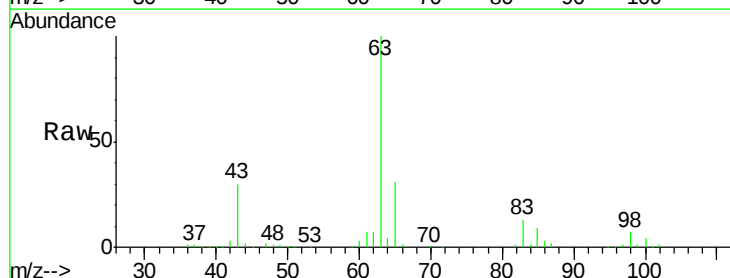
Manual Integrations
 APPROVED

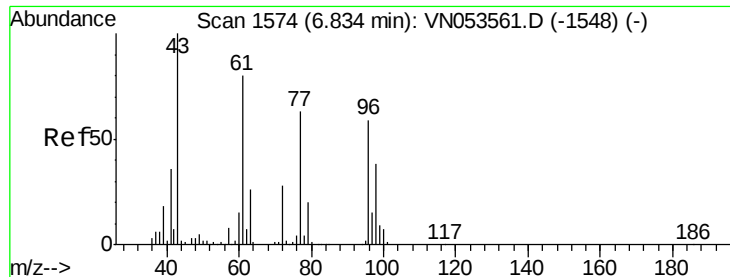
MMDadoda
 2/11/2019 9:49:48 AM



#24
 1,1-Dichloroethane
 Concen: 49.742 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VN053692.D
 Acq: 8 Feb 2019 19:59

Tgt Ion: 63 Resp: 689781
 Ion Ratio Lower Upper
 63 100
 98 6.7 3.3 9.9
 100 4.2 2.1 6.5





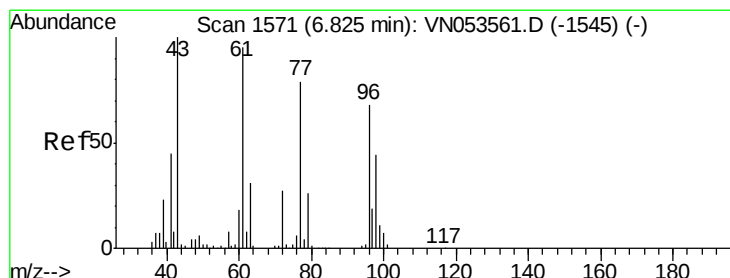
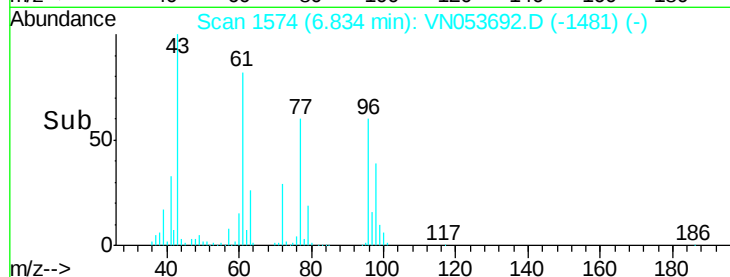
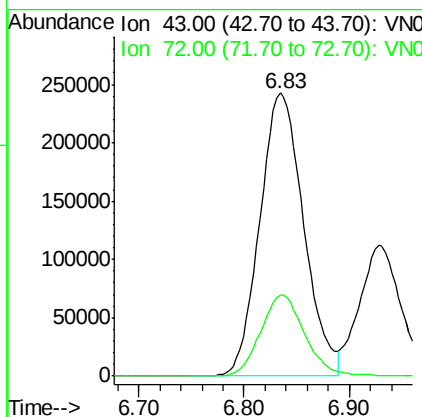
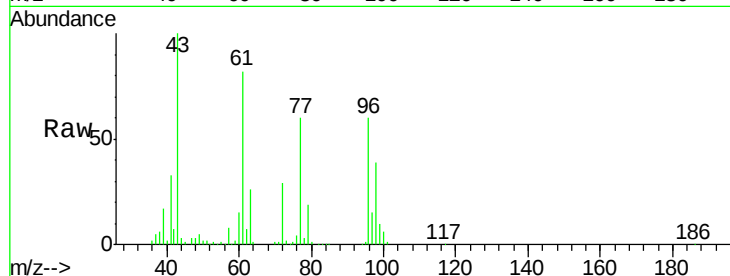
#25
2-Butanone
Concen: 250.396 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VN053692.D
Acq: 8 Feb 2019 19:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 699329
Ion Ratio Lower Upper
43 100
72 28.6 22.0 33.0

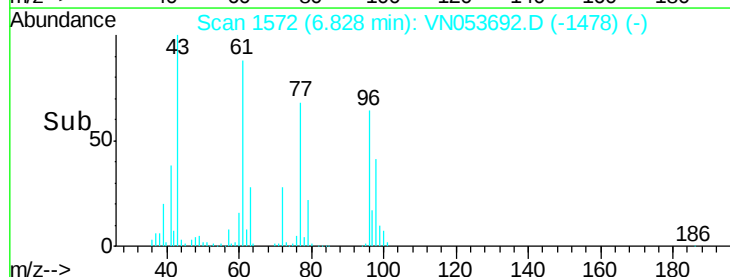
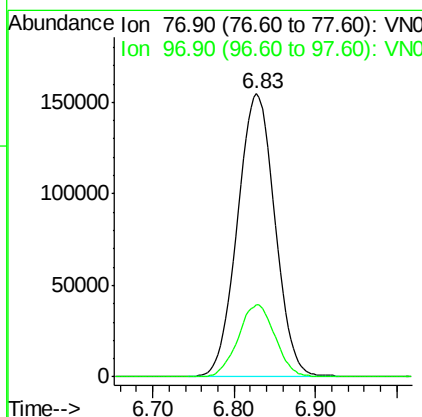
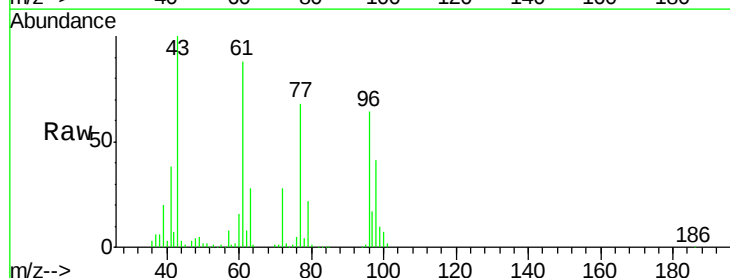
Manual Integrations
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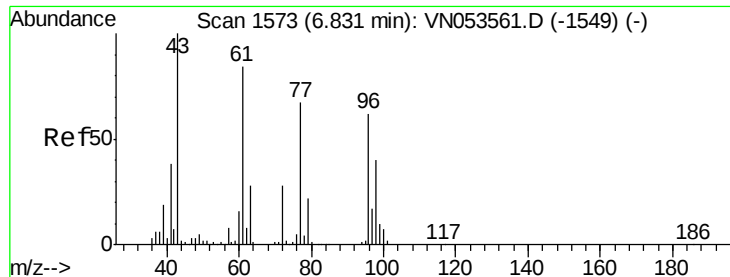
MMDadoda
2/11/2019 9:49:48 AM



#26
2,2-Dichloropropane
Concen: 46.514 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN053692.D
Acq: 8 Feb 2019 19:59

Tgt Ion: 77 Resp: 492389
Ion Ratio Lower Upper
77 100
97 25.2 12.2 36.6





#27

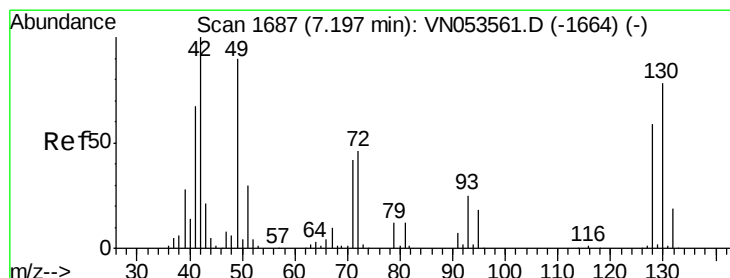
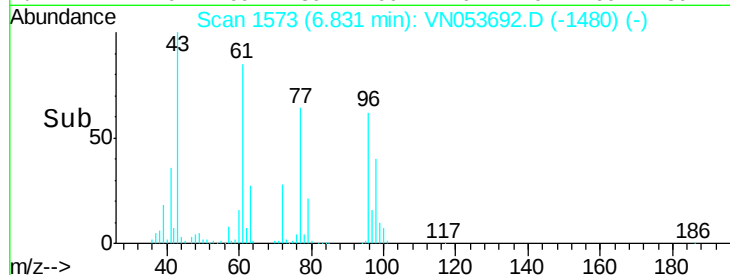
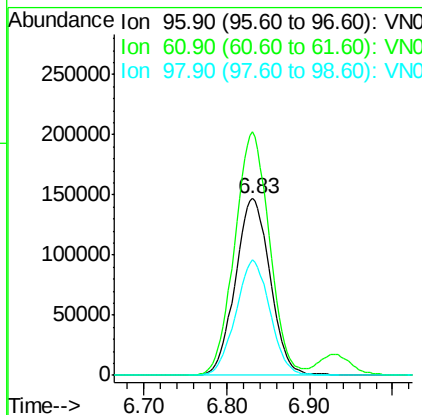
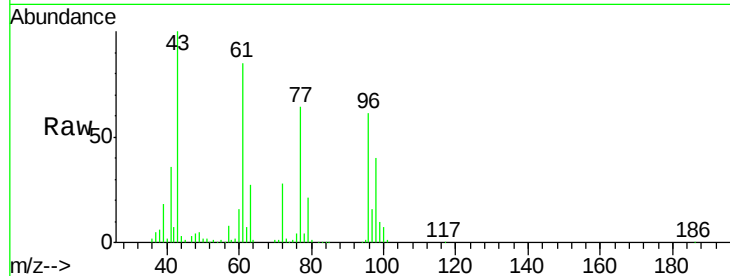
cis-1,2-Dichloroethene
Concen: 50.829 ug/l
RT: 6.83 min Scan# 1573
Delta R.T. 0.00 min
Lab File: VN053692.D
Acq: 8 Feb 2019 19:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	429716		
61	137.2	0.0	283.8	
98	64.1	0.0	129.2	

Manual Integrations
APPROVED

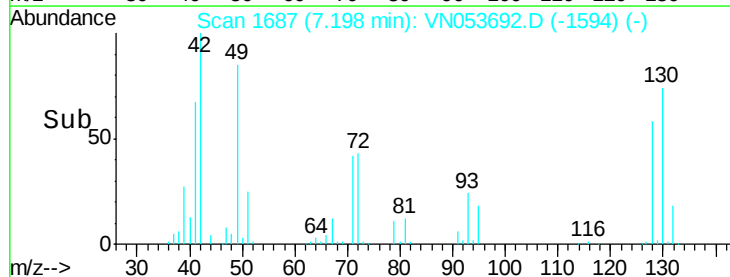
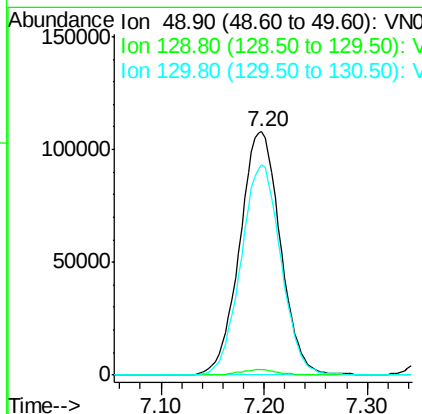
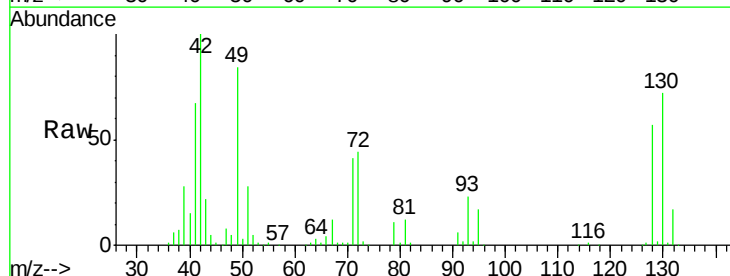
MMDadoda
2/11/2019 9:49:48 AM

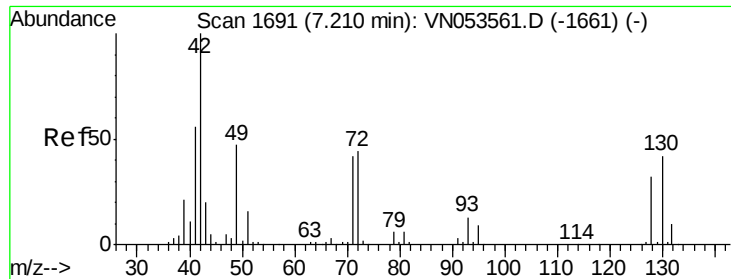


#28

Bromochloromethane
Concen: 48.975 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN053692.D
Acq: 8 Feb 2019 19:59

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	294726		
129	2.1	0.0	4.0	
130	85.5	66.3	99.5	





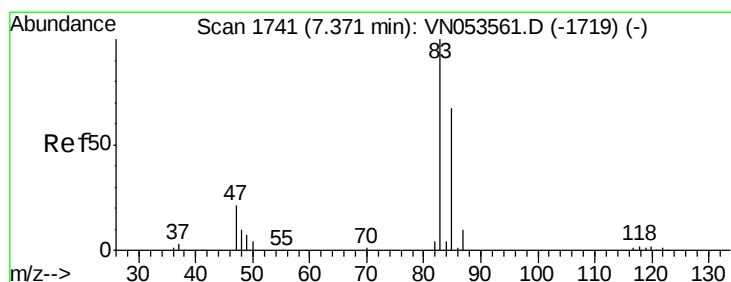
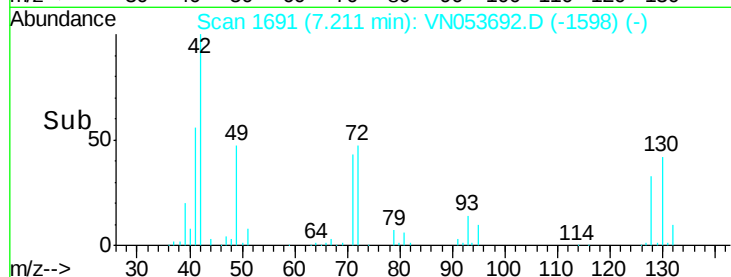
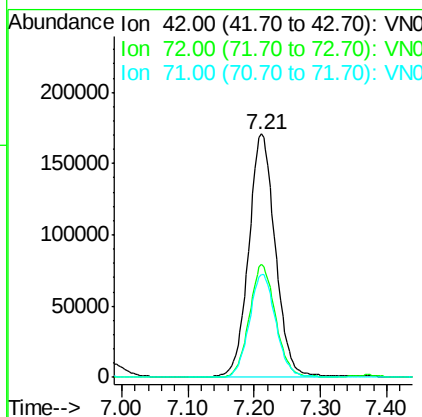
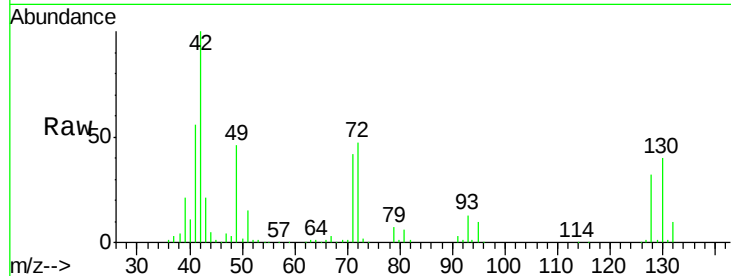
#29
Tetrahydrofuran
Concen: 265.267 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN053692.D
Acq: 8 Feb 2019 19:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.7	35.2	52.8
71	42.3	33.0	49.4

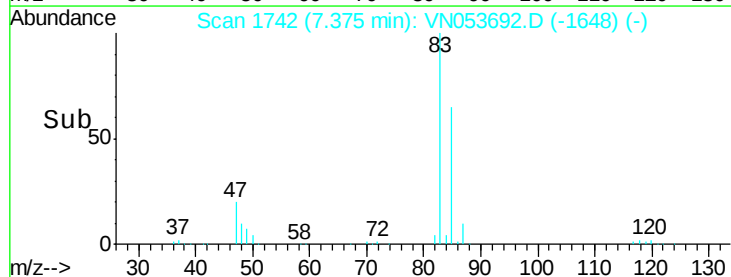
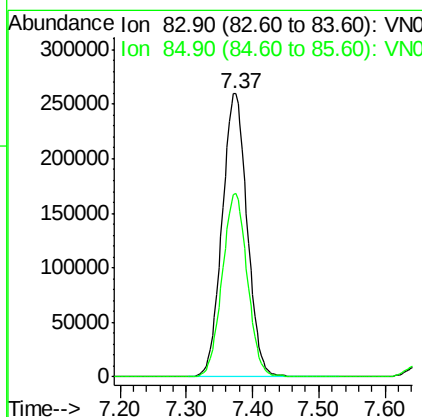
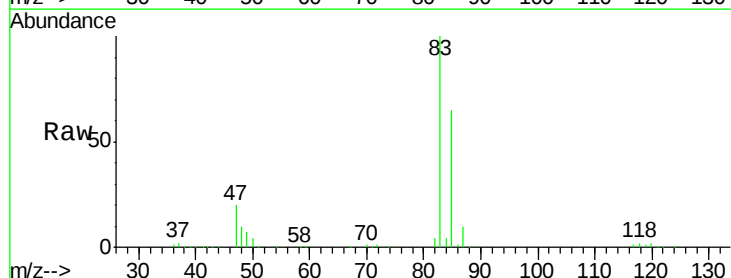
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2/11/2019 9:49:48 AM



#30
Chloroform
Concen: 49.543 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN053692.D
Acq: 8 Feb 2019 19:59

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	52.2	78.2





#31

Cvclohexane

Concen: 47.239 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN053692.D

Acq: 8 Feb 2019 19:59

Instrument :

MSVOA_N

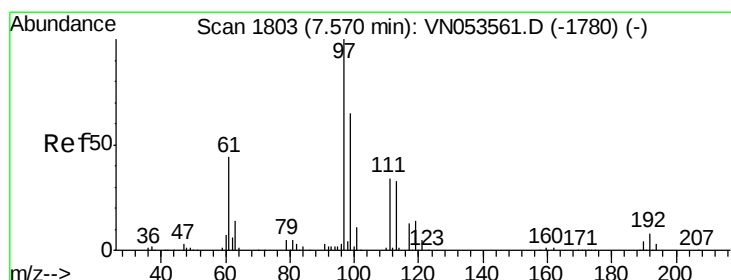
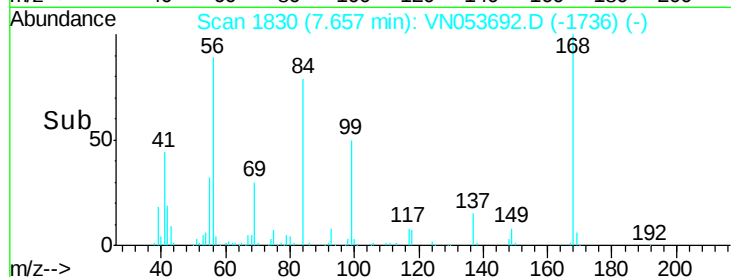
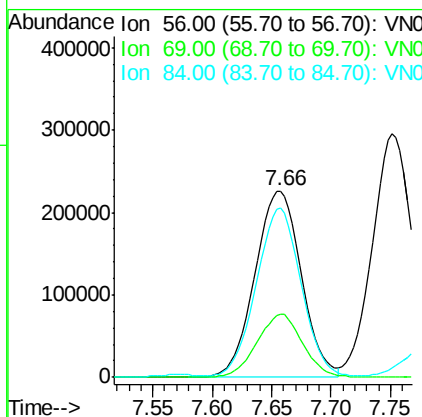
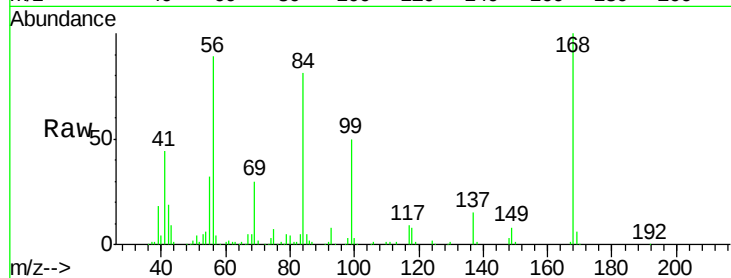
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	610028
Ion	Ratio	Lower	Upper
56	100		
69	34.1	26.4	39.6
84	89.8	67.9	101.9

Manual Integrations
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2/11/2019 9:49:48 AM



#32

1,1,1-Trichloroethane

Concen: 49.706 ug/l

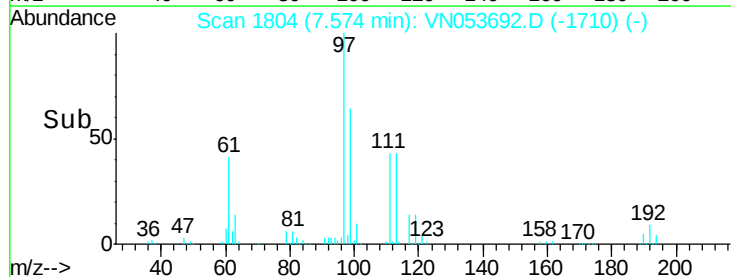
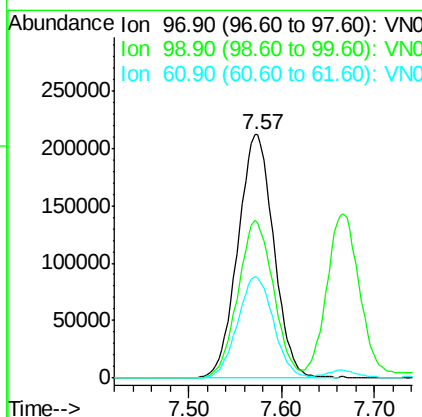
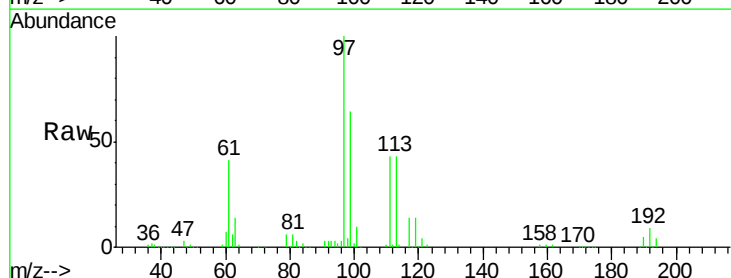
RT: 7.57 min Scan# 1804

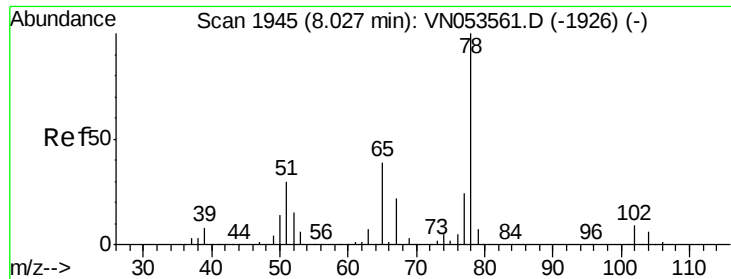
Delta R.T. 0.00 min

Lab File: VN053692.D

Acq: 8 Feb 2019 19:59

Tgt Ion:	97	Resp:	568636
Ion	Ratio	Lower	Upper
97	100		
99	64.2	52.0	78.0
61	41.8	34.4	51.6





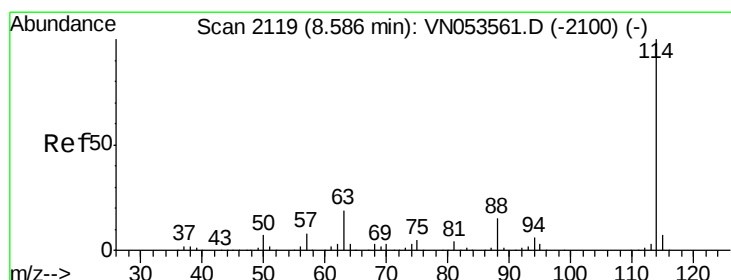
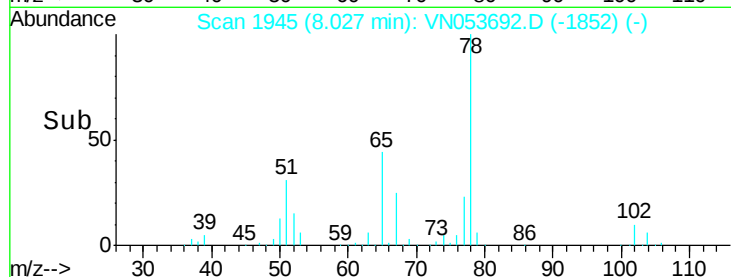
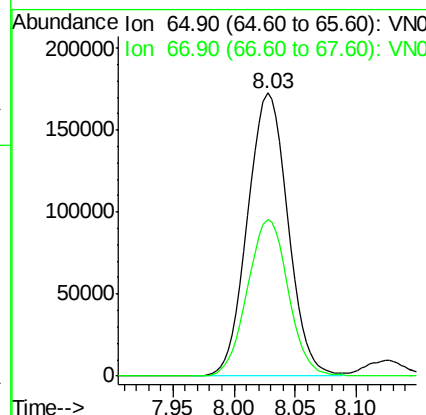
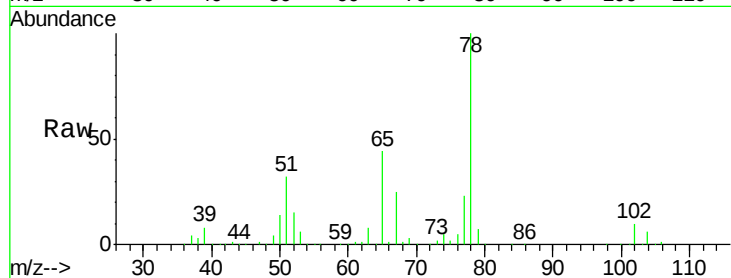
#33
 1,2-Dichloroethane-d4
 Concen: 51.872 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053692.D
 Acq: 8 Feb 2019 19:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	56.1	0.0	111.2	

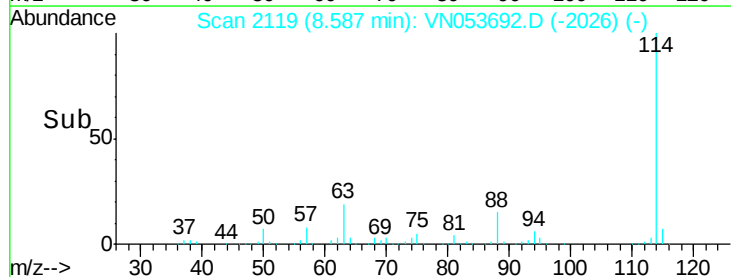
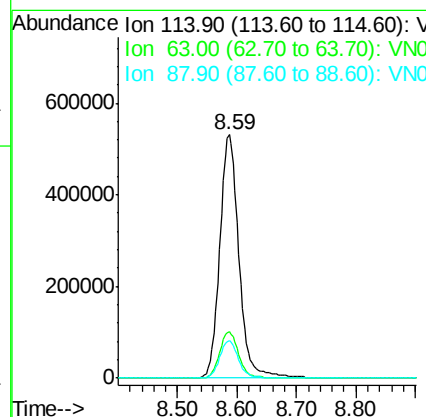
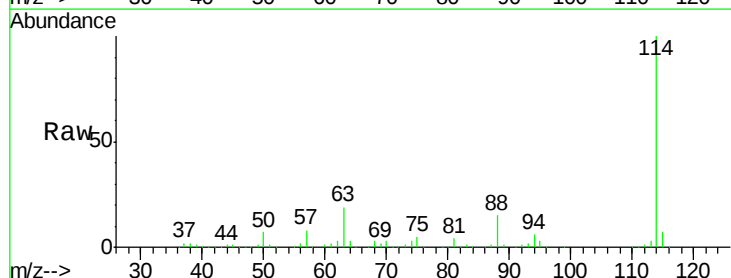
Manual Integrations
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 2/11/2019 9:49:48 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053692.D
 Acq: 8 Feb 2019 19:59

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.0	0.0	38.6	
88	15.2	0.0	30.4	





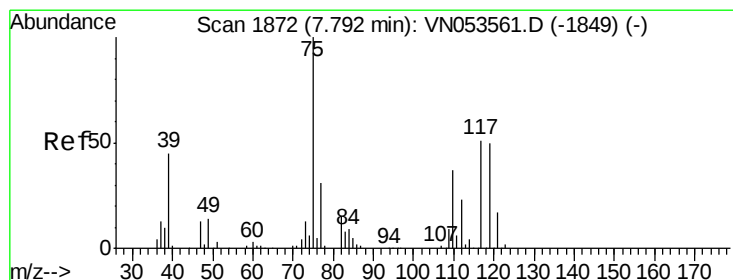
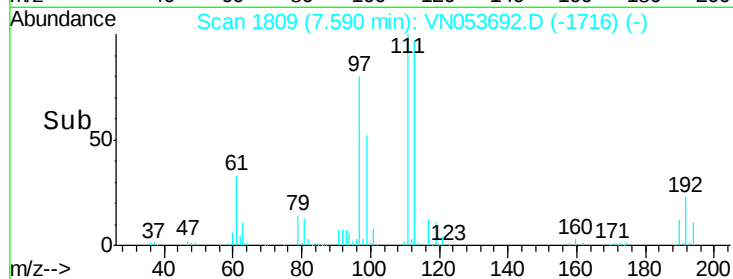
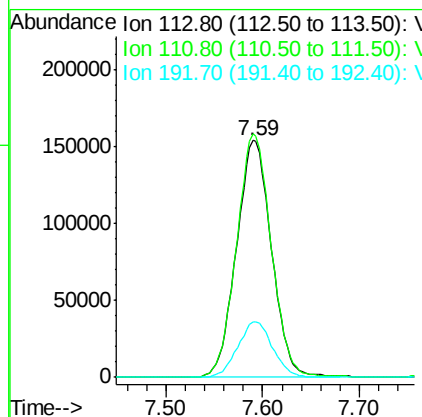
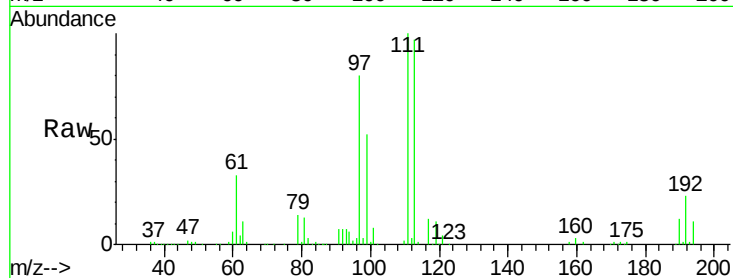
#35
Dibromofluoromethane
Concen: 51.899 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. 0.00 min
Lab File: VN053692.D
Acq: 8 Feb 2019 19:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	101.8	81.1	121.7	
192	23.4	18.2	27.2	

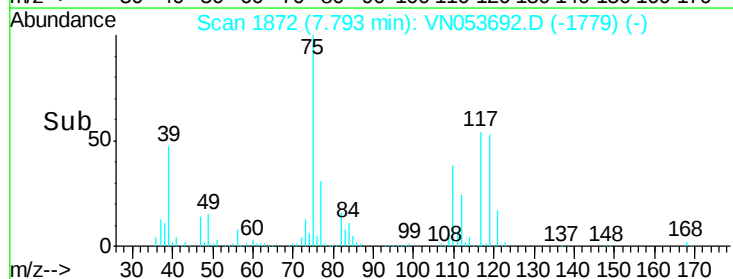
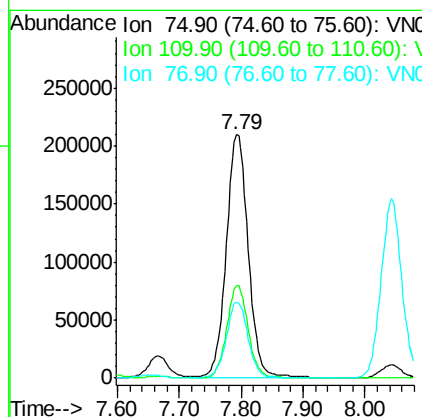
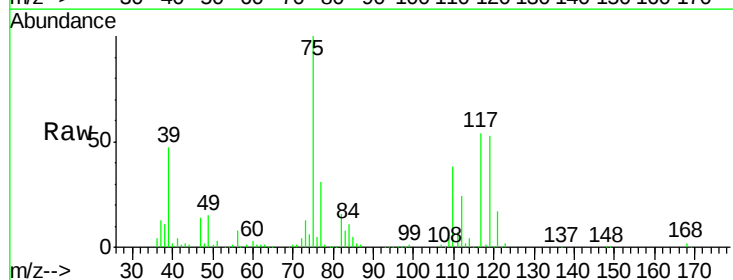
Manual Integrations
APPROVED

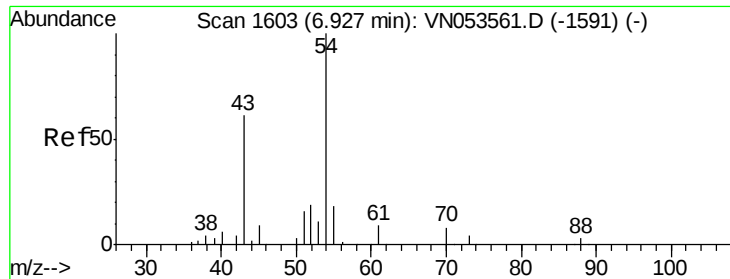
MMDadoda
2/11/2019 9:49:48 AM



#36
1,1-Dichloropropene
Concen: 48.632 ug/l
RT: 7.79 min Scan# 1872
Delta R.T. 0.00 min
Lab File: VN053692.D
Acq: 8 Feb 2019 19:59

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	37.0	18.1	54.3	
77	31.3	25.1	37.7	





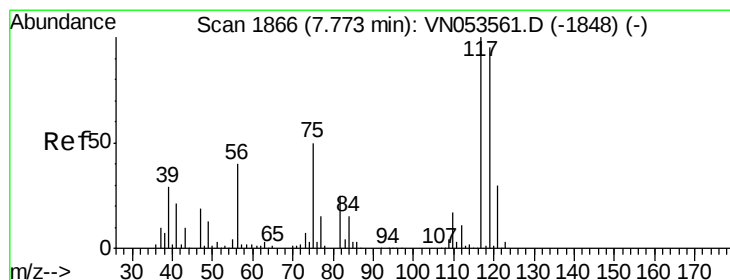
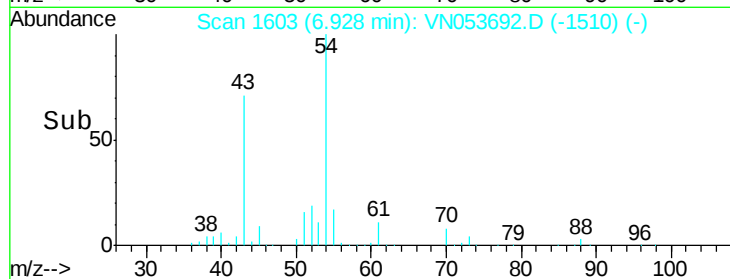
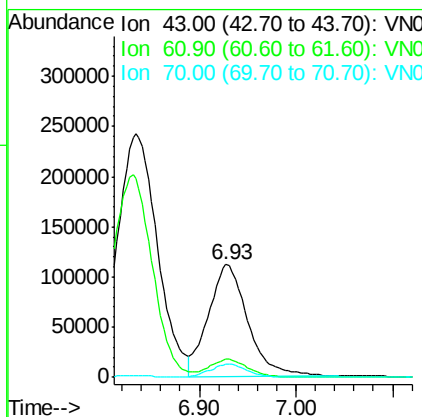
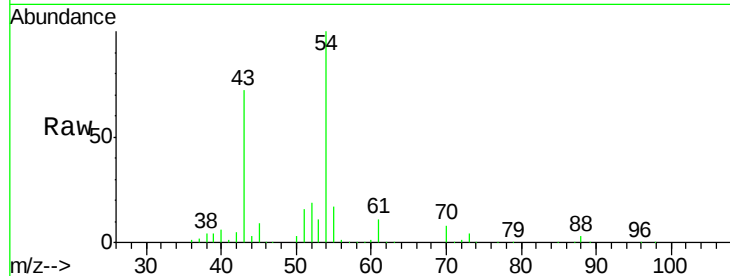
#37
Ethyl Acetate
Concen: 52.670 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VN053692.D
Acq: 8 Feb 2019 19:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	61	70	Resp	313756
Ion Ratio	100	15.3	10.7	Lower	Upper
				11.8	17.6
				8.6	12.8

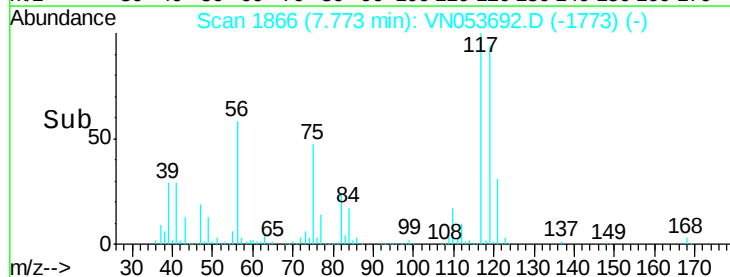
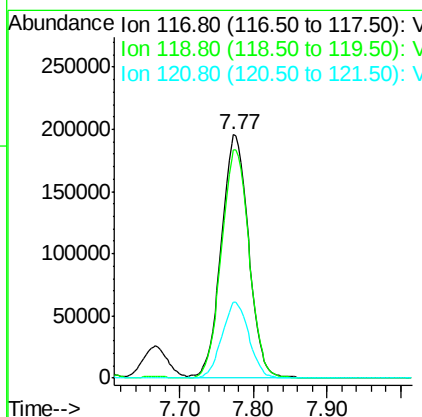
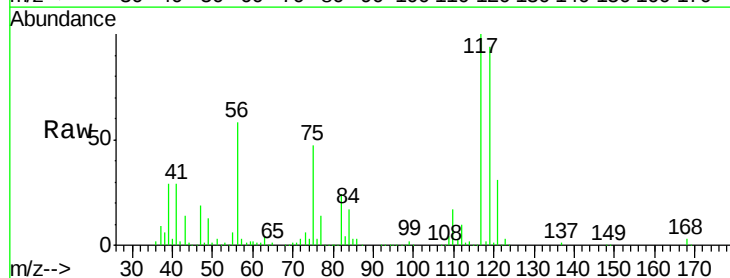
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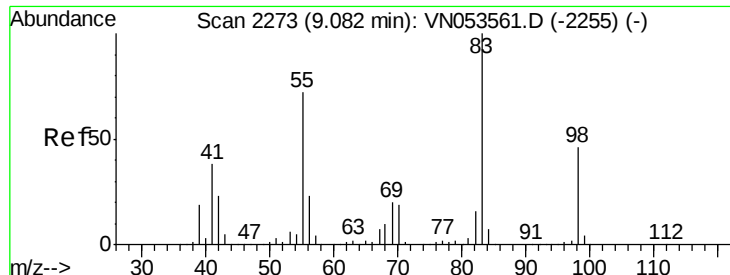
MMDadoda
2/11/2019 9:49:48 AM



#38
Carbon Tetrachloride
Concen: 46.820 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN053692.D
Acq: 8 Feb 2019 19:59

Tgt Ion	117	119	121	Resp	503074
Ion Ratio	100	93.7	31.3	Lower	Upper
				77.2	115.8
				24.6	37.0





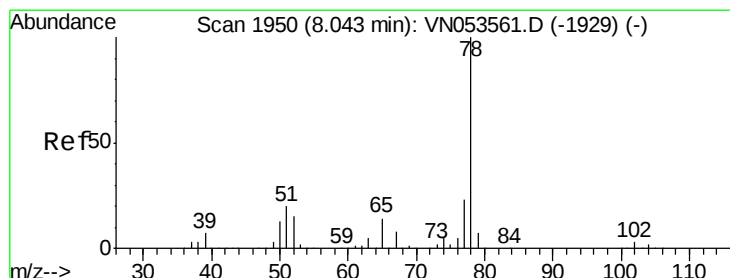
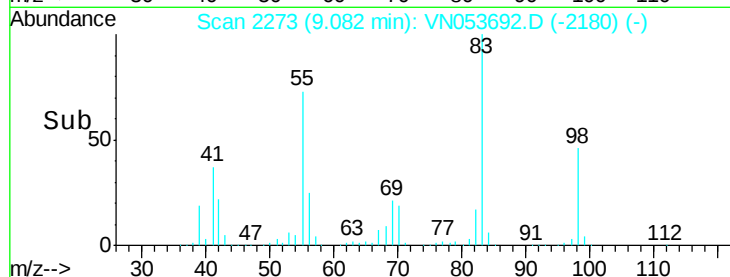
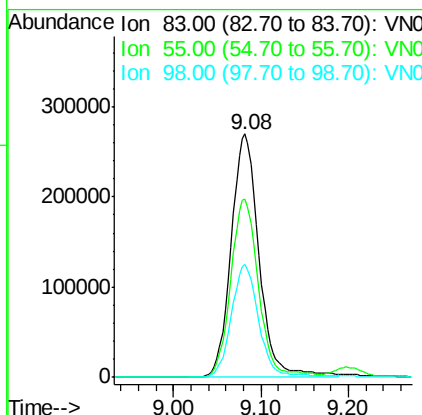
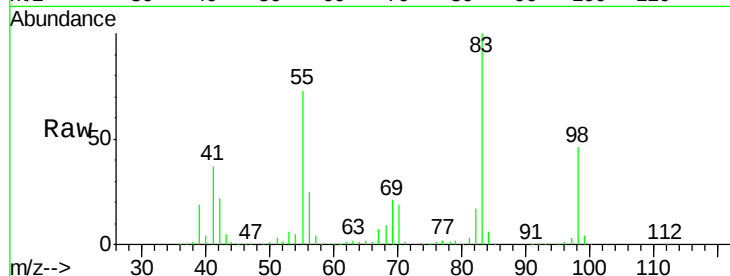
#39
Methvlcvclohexane
Concen: 47.332 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN053692.D
Acq: 8 Feb 2019 19:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	73.3		60.1	90.1
98	46.3		36.6	55.0

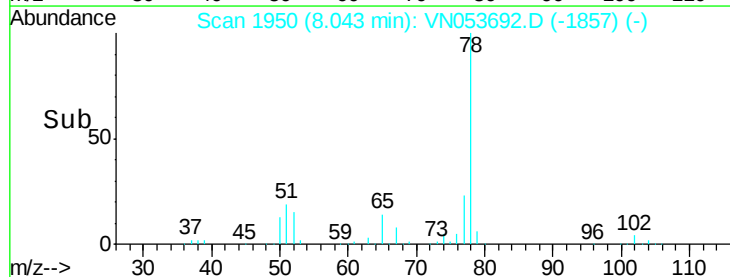
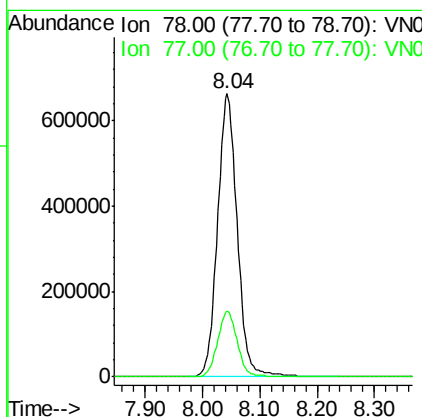
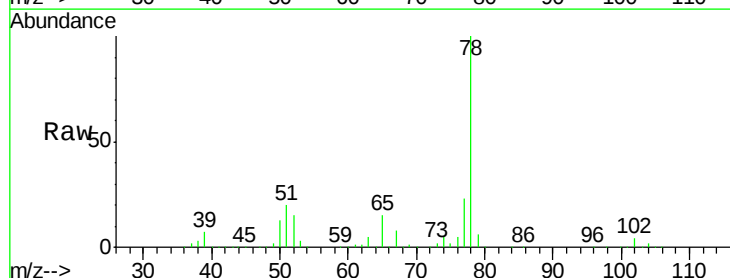
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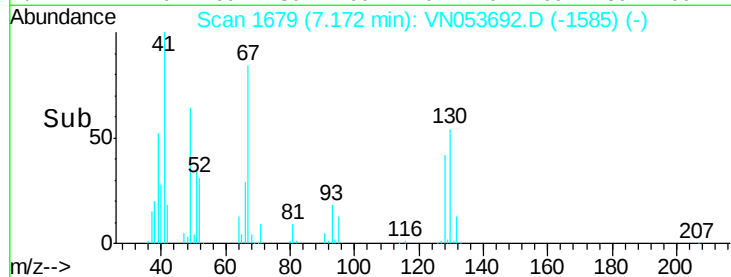
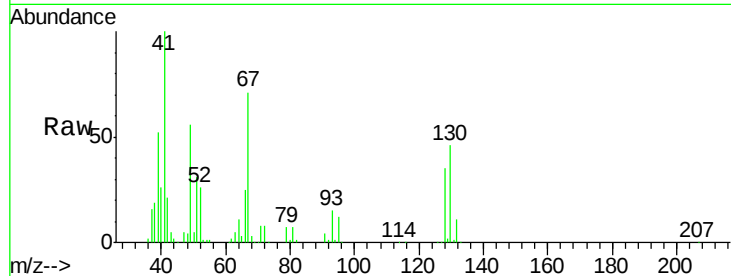
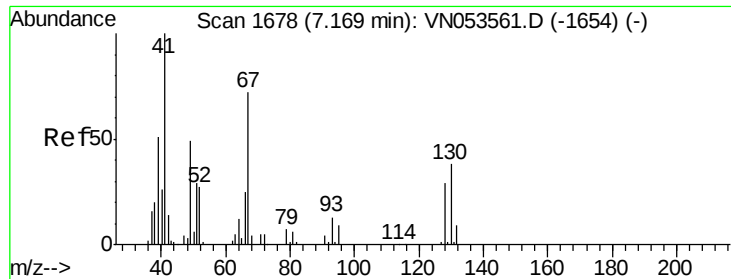
MMDadoda
2/11/2019 9:49:48 AM



#40
Benzene
Concen: 48.150 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053692.D
Acq: 8 Feb 2019 19:59

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.3		18.8	28.2





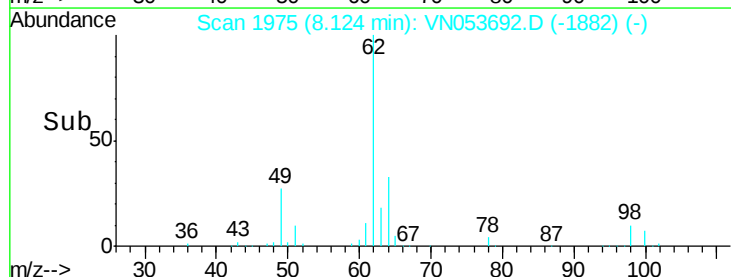
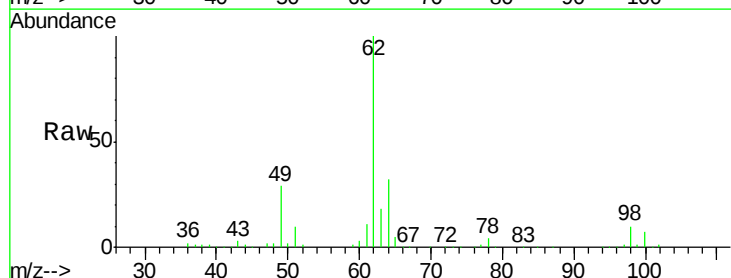
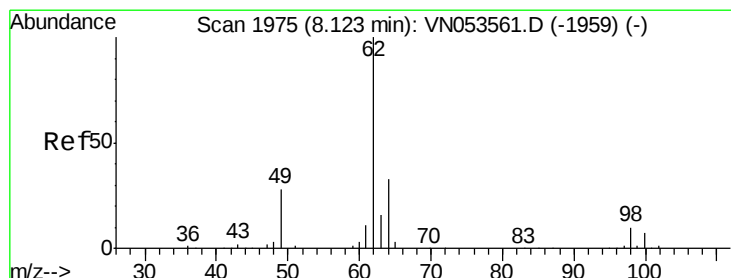
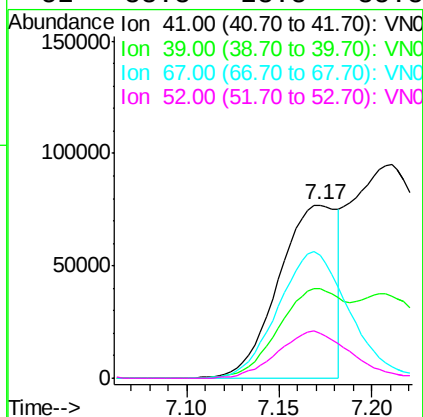
#41
Methacrylonitrile
Concen: 50.820 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN053692.D
Acq: 8 Feb 2019 19:59

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		169201		
39	58.7	46.8	70.2		
67	89.7	63.0	94.6		
52	33.3	23.8	35.8		

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

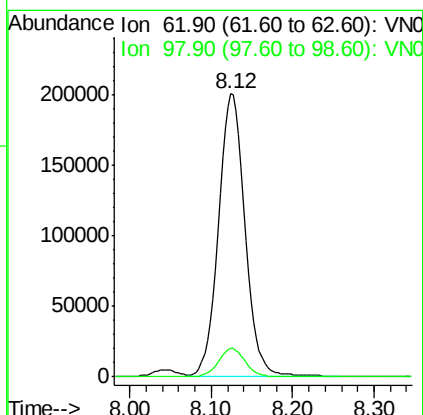
Manual Integrations
APPROVED

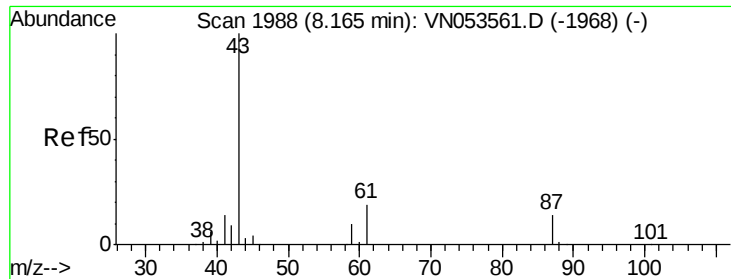
MMDadoda
2/11/2019 9:49:48 AM



#42
1,2-Dichloroethane
Concen: 47.292 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN053692.D
Acq: 8 Feb 2019 19:59

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		461865		
98	10.1	0.0	19.6		





#43

Isopropyl Acetate

Concen: 49.967 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VN053692.D

Acq: 8 Feb 2019 19:59

Instrument :

MSVOA_N

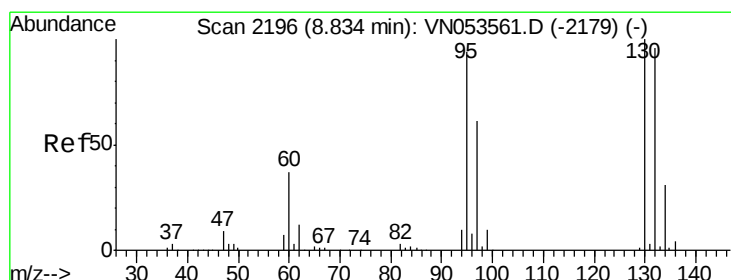
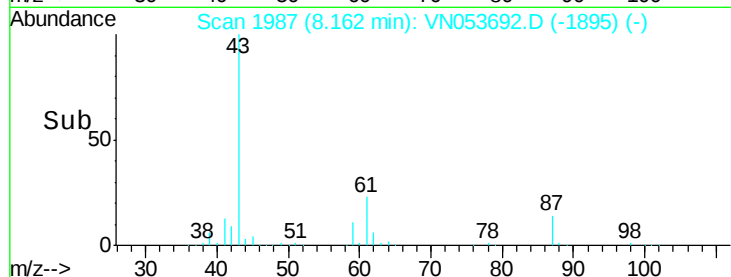
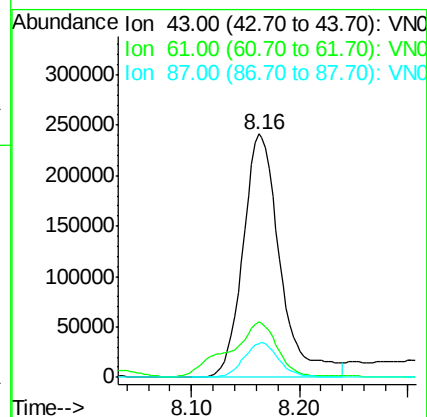
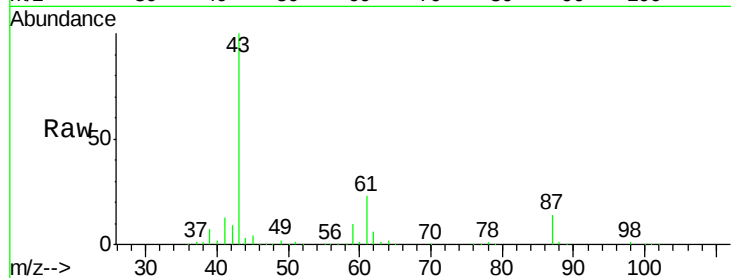
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	574842
Ion	Ratio	Lower	Upper
43	100		
61	29.1	23.9	35.9
87	13.5	11.0	16.6

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#44

Trichloroethene

Concen: 47.184 ug/l

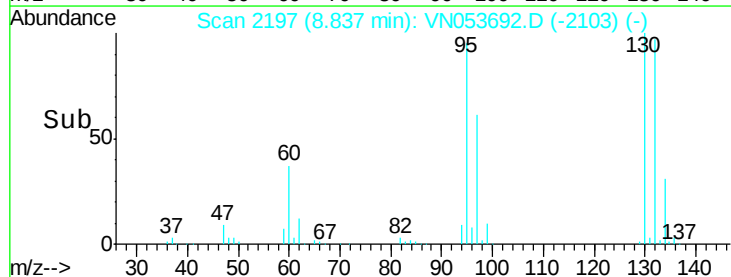
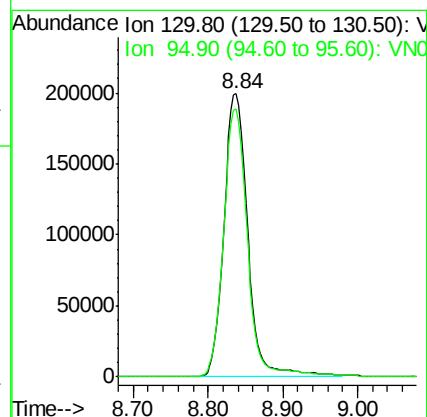
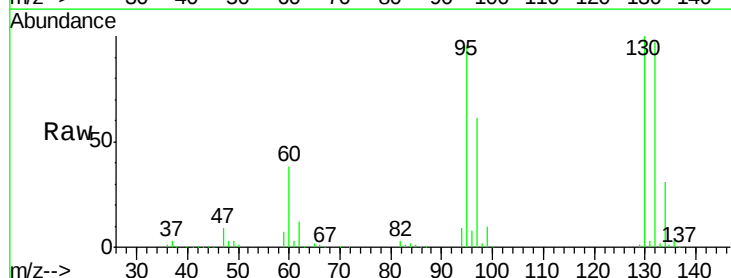
RT: 8.84 min Scan# 2197

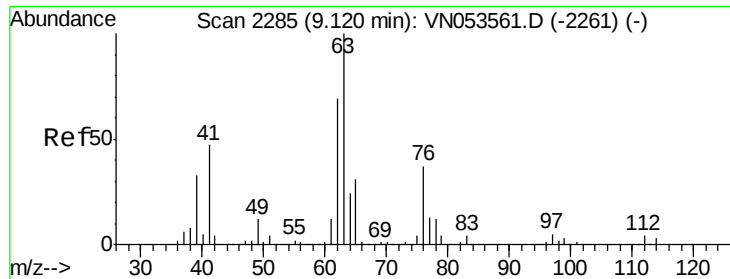
Delta R.T. 0.00 min

Lab File: VN053692.D

Acq: 8 Feb 2019 19:59

Tgt Ion:	130	Resp:	441838
Ion	Ratio	Lower	Upper
130	100		
95	94.8	0.0	191.4





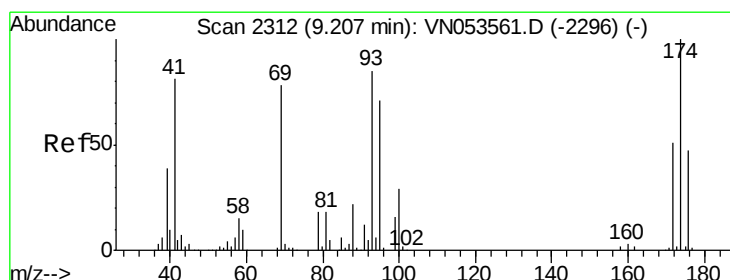
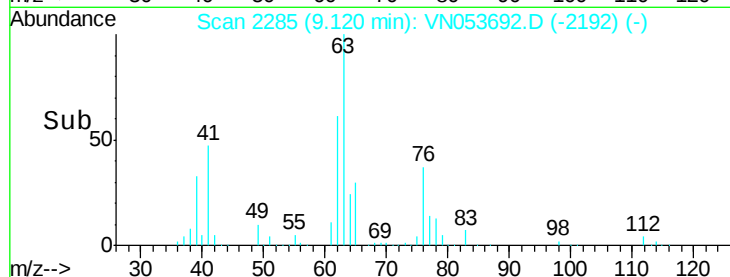
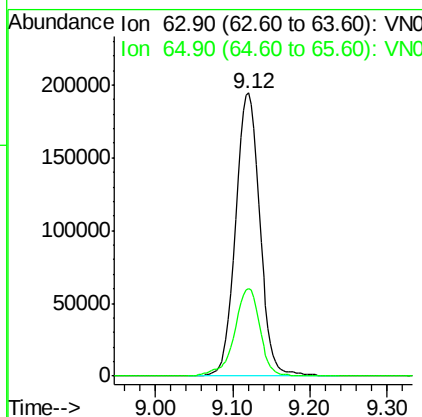
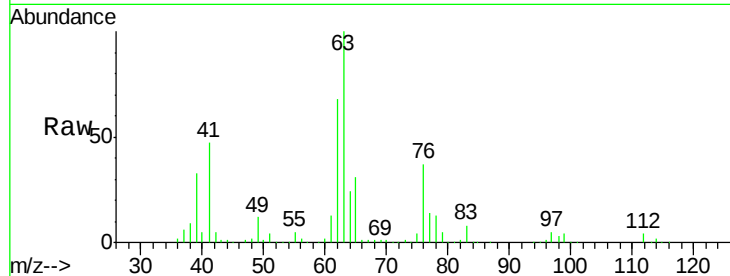
#45
 1,2-Dichloropropane
 Concen: 49.944 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN053692.D
 Acq: 8 Feb 2019 19:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 420169
 Ion Ratio Lower Upper
 63 100
 65 31.0 25.0 37.4

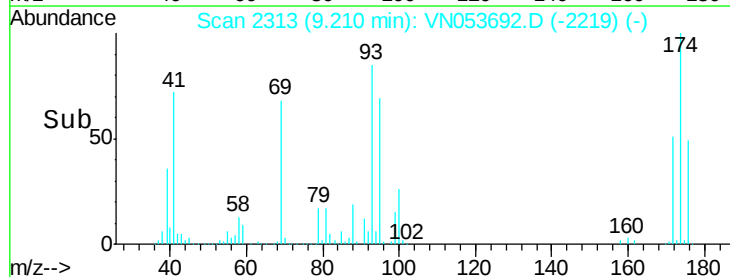
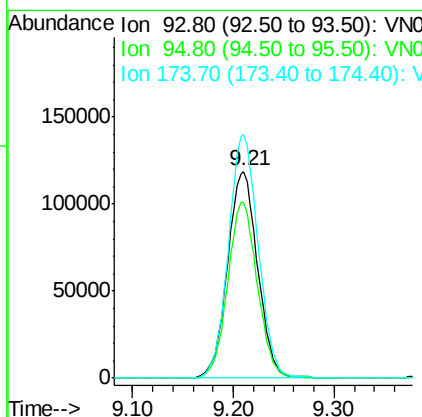
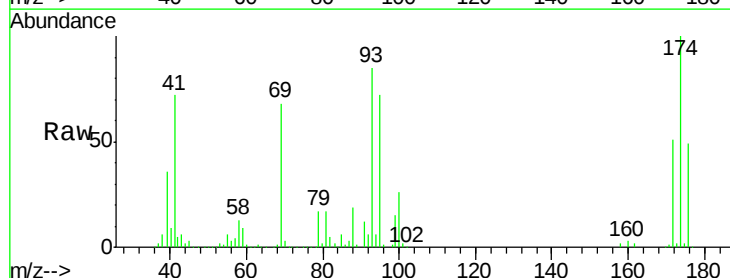
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 2/11/2019 9:49:48 AM



#46
 Dibromomethane
 Concen: 48.594 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN053692.D
 Acq: 8 Feb 2019 19:59

Tgt Ion: 93 Resp: 246440
 Ion Ratio Lower Upper
 93 100
 95 83.6 67.3 100.9
 174 116.7 91.0 136.4





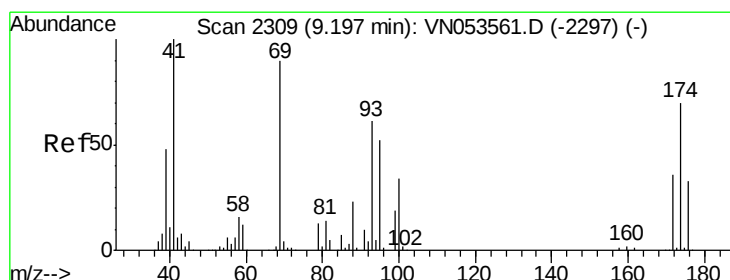
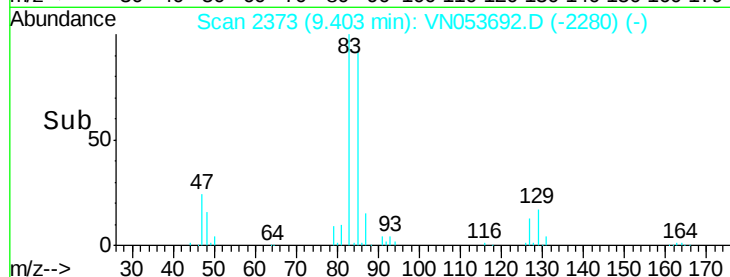
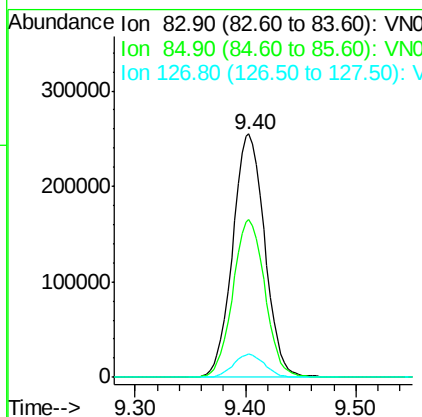
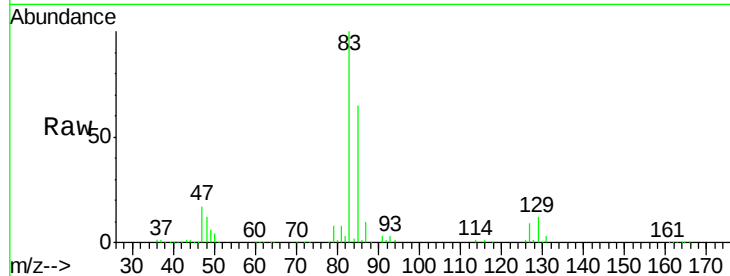
#47
Bromodichloromethane
Concen: 48.631 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN053692.D
Acq: 8 Feb 2019 19:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	512787		
85	65.0		51.0	76.6
127	9.4		7.0	10.6

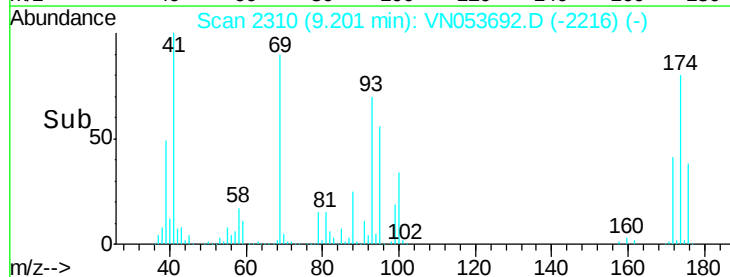
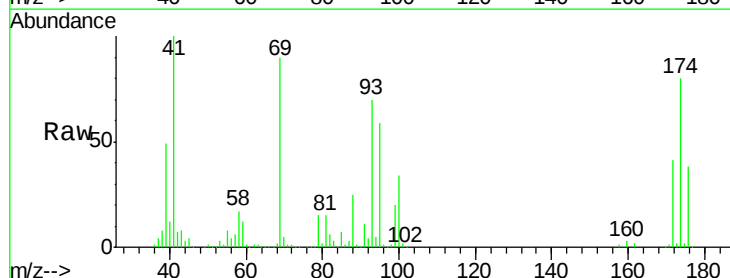
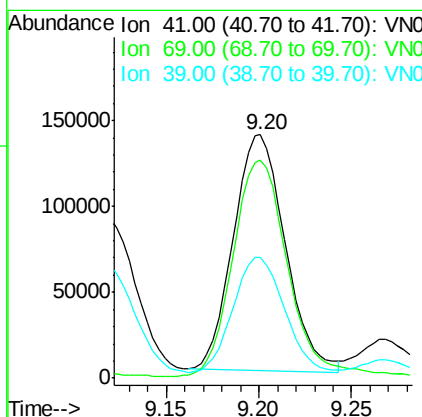
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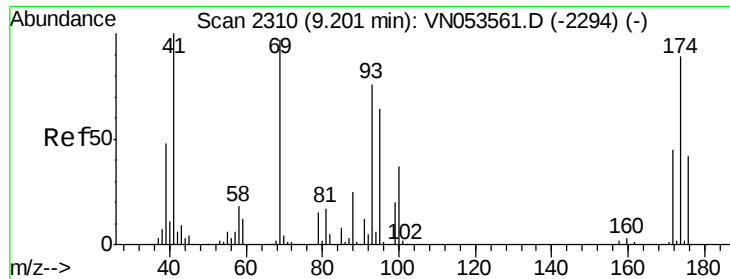
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2/11/2019 9:49:48 AM



#48
Methyl methacrylate
Concen: 48.530 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN053692.D
Acq: 8 Feb 2019 19:59

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	266504		
69	100.8		73.8	110.6
39	53.4		40.0	60.0





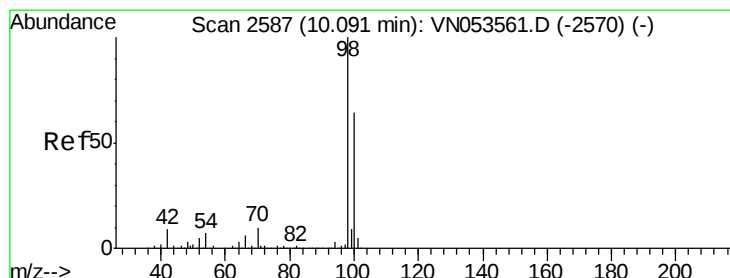
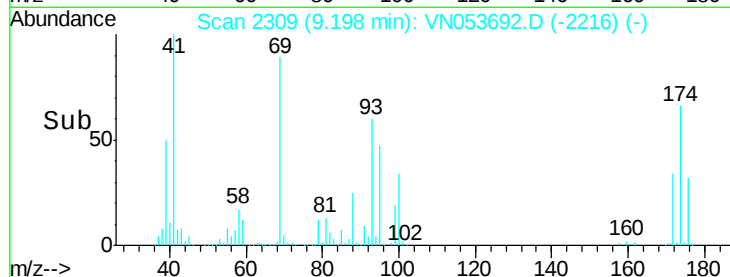
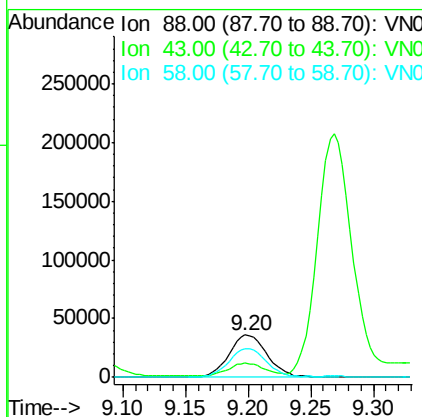
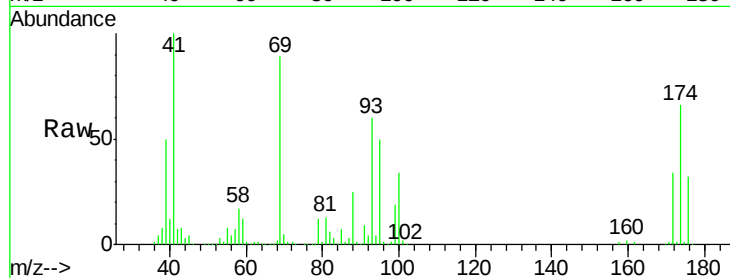
#49
 1,4-Dioxane
 Concen: 978.467 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN053692.D
 Acq: 8 Feb 2019 19:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	88	Resp	77789
Ion	Ratio	Lower	Upper
88	100		
43	29.2	27.8	41.6
58	65.9	56.5	84.7

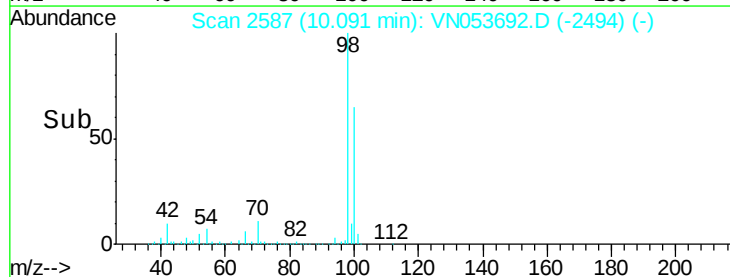
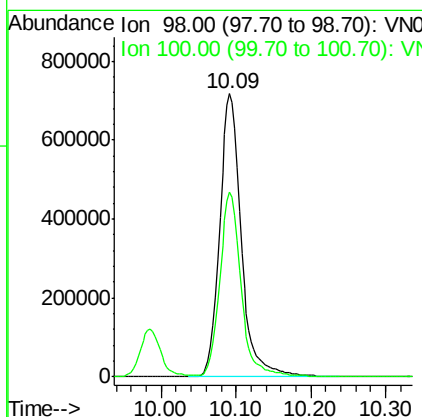
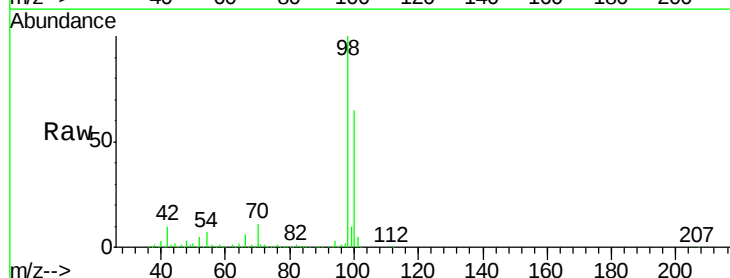
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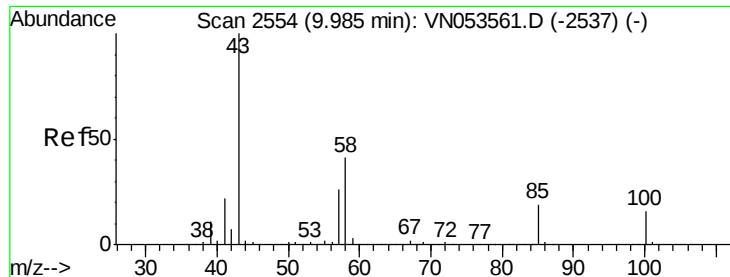
MMDadoda
 2/11/2019 9:49:48 AM



#50
 Toluene-d8
 Concen: 50.980 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. 0.00 min
 Lab File: VN053692.D
 Acq: 8 Feb 2019 19:59

Tgt Ion	98	Resp	1431151
Ion	Ratio	Lower	Upper
98	100		
100	64.8	51.4	77.0





#51

4-Methyl-2-Pentanone

Concen: 265.080 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN053692.D

Acq: 8 Feb 2019 19:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1498568

Ion Ratio Lower Upper

43 100

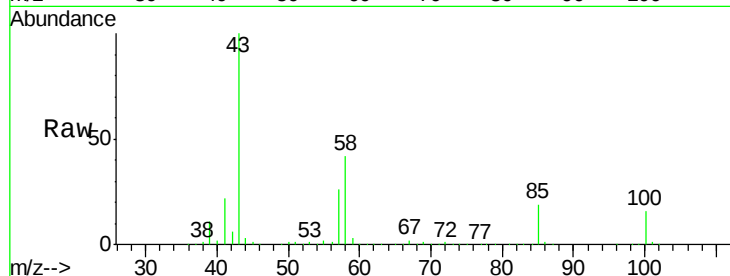
58 41.3 32.8 49.2

Manual Integrations

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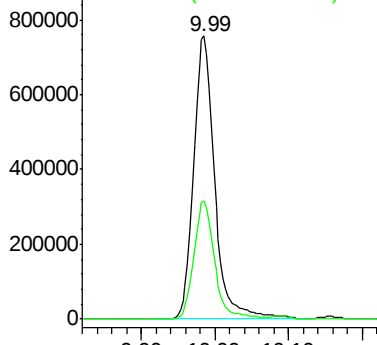
MMDadoda

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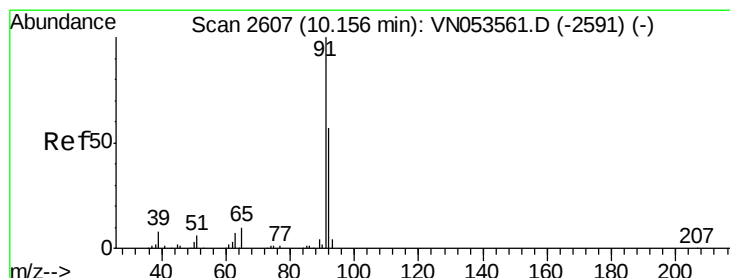
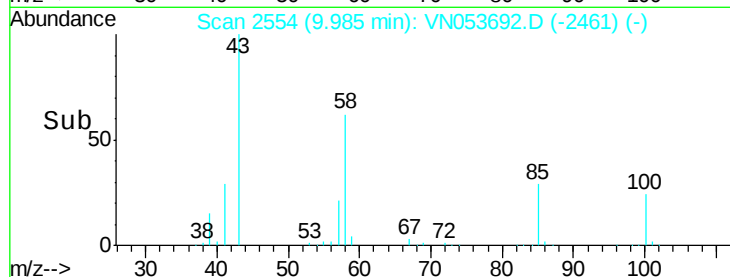


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



Time-->



#52

Toluene

Concen: 49.048 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN053692.D

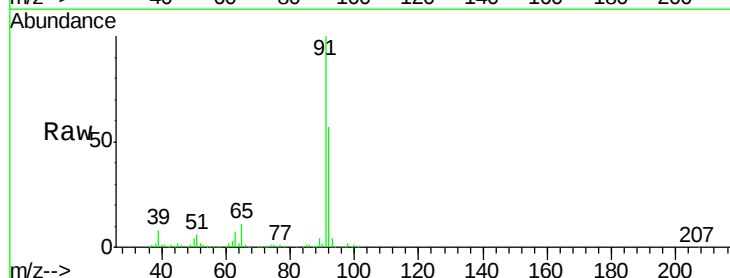
Acq: 8 Feb 2019 19:59

Tgt Ion: 92 Resp: 957466

Ion Ratio Lower Upper

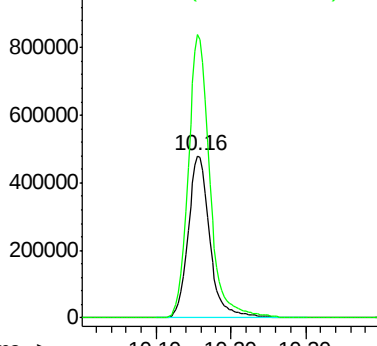
92 100

91 173.9 139.9 209.9

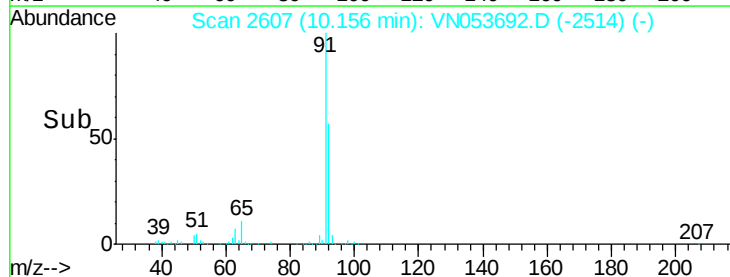


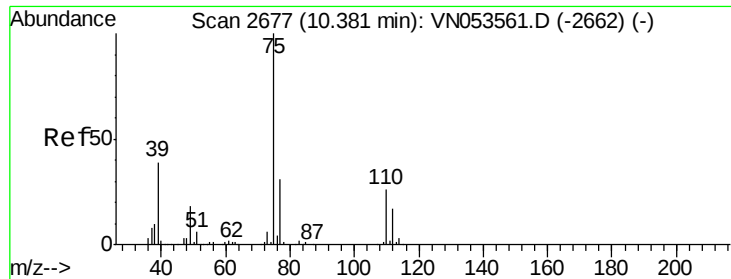
Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



Time-->





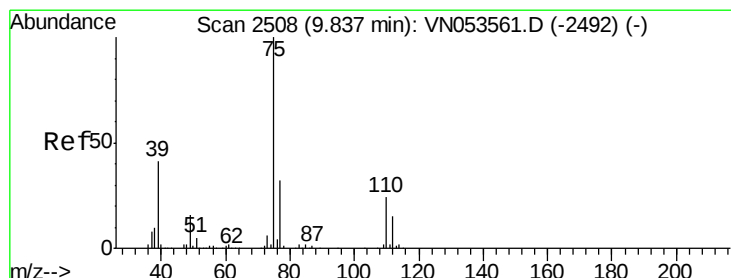
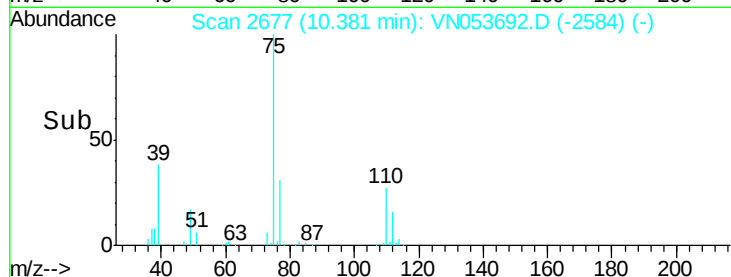
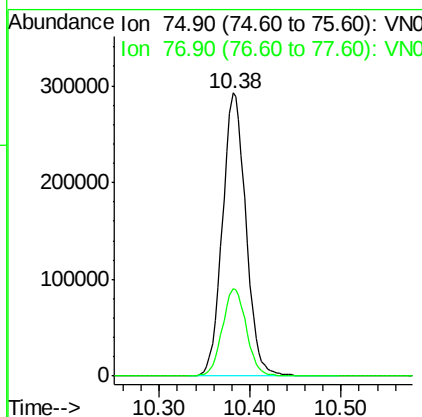
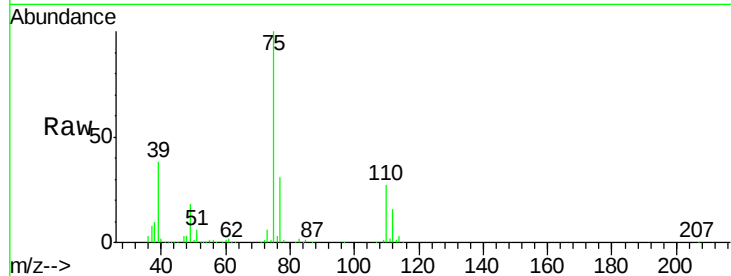
#53
t-1,3-Dichloropropene
Concen: 49.643 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN053692.D
Acq: 8 Feb 2019 19:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.8	25.5	38.3

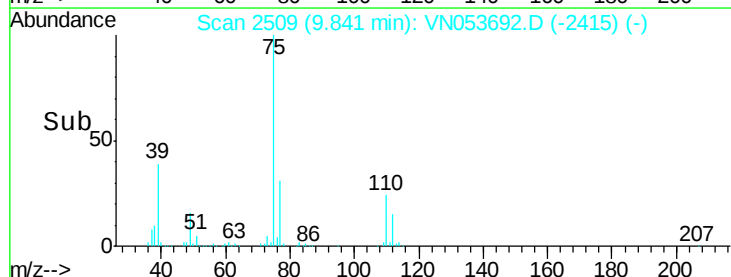
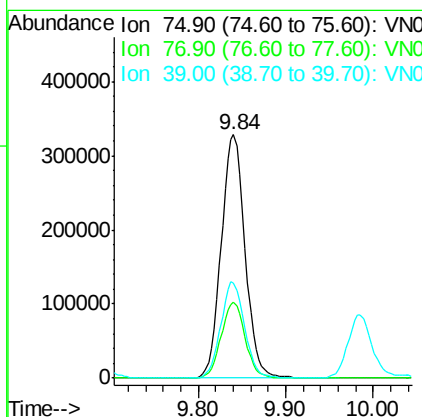
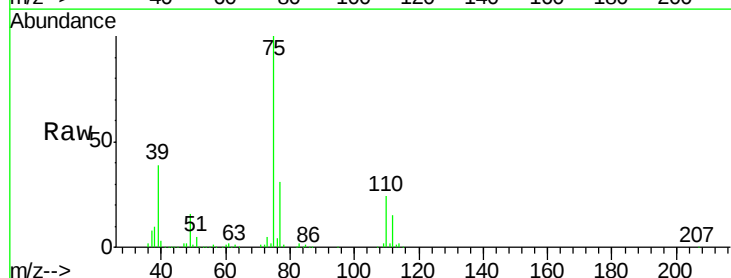
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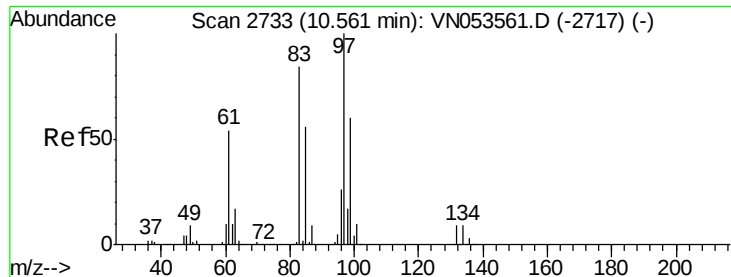
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#54
cis-1,3-Dichloropropene
Concen: 49.687 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN053692.D
Acq: 8 Feb 2019 19:59

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.8	38.6
39	39.1	33.4	50.0





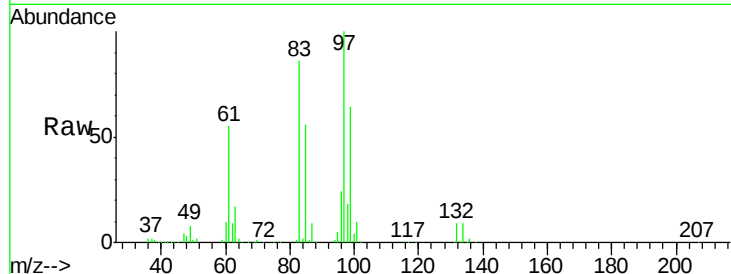
#55
 1,1,2-Trichloroethane
 Concen: 50.614 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN053692.D
 Acq: 8 Feb 2019 19:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

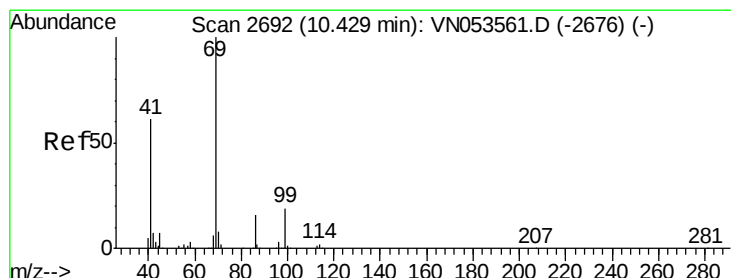
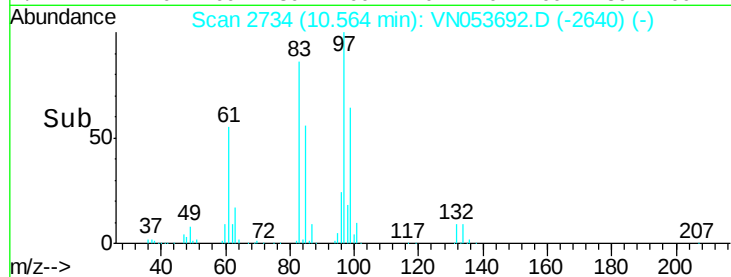
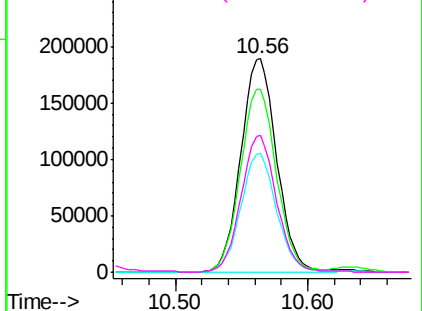
Tot Ion:	97	Resp:	356029
Ion	Ratio	Lower	Upper
97	100		
83	85.9	70.1	105.1
85	55.6	45.4	68.0
99	63.8	49.8	74.8

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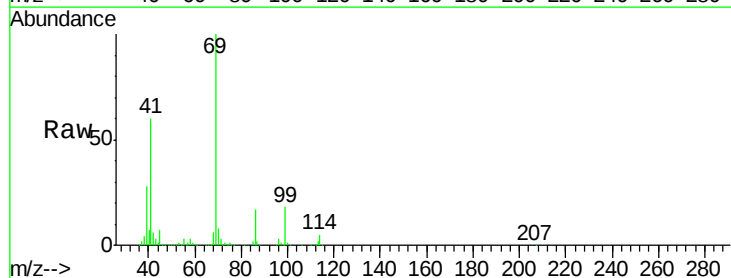


Abundance Ion 96.90 (96.60 to 97.60): VN0
 Ion 82.90 (82.60 to 83.60): VN0
 Ion 84.90 (84.60 to 85.60): VN0
 Ion 98.90 (98.60 to 99.60): VN0

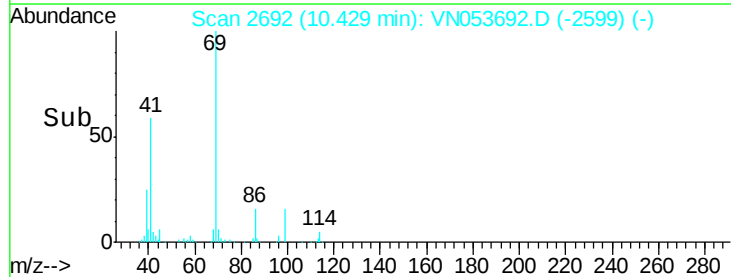
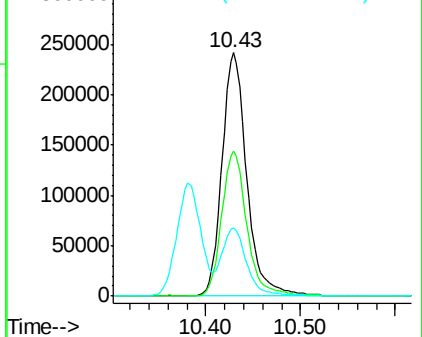


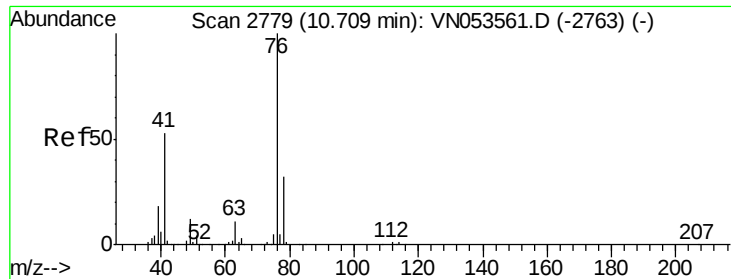
#56
 Ethyl methacrylate
 Concen: 52.847 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053692.D
 Acq: 8 Feb 2019 19:59

Tgt Ion:	69	Resp:	439766
Ion	Ratio	Lower	Upper
69	100		
41	60.5	49.4	74.0
39	28.4	23.3	34.9



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: 49.896 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN053692.D

Acq: 8 Feb 2019 19:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 599841

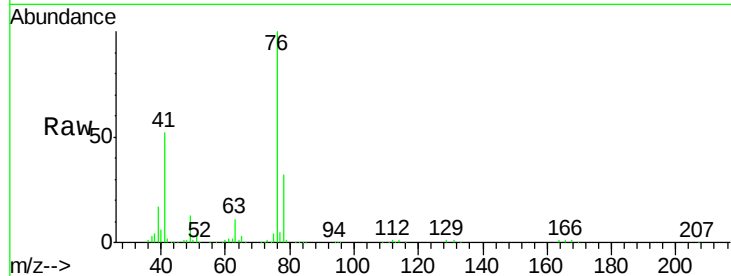
Ion Ratio Lower Upper

76 100

78 32.1 25.6 38.4

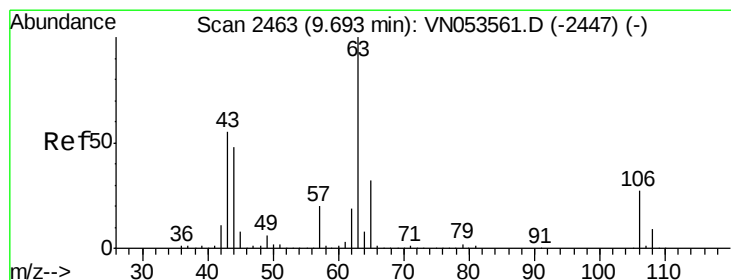
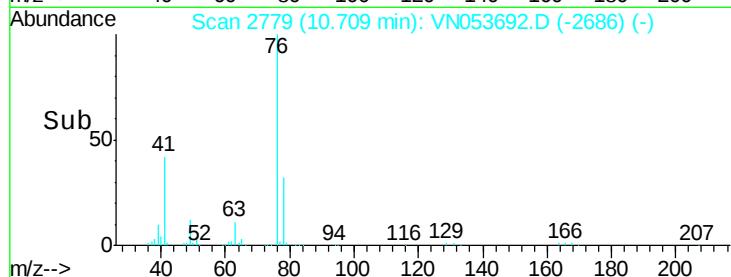
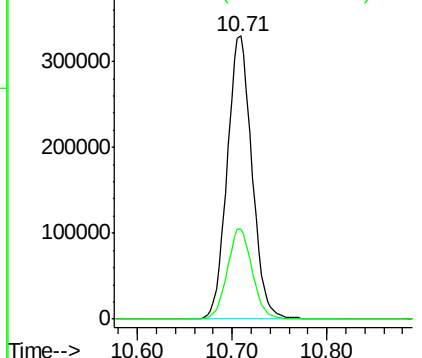
Manual Integrations
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2/11/2019 9:49:48 AM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 196.465 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN053692.D

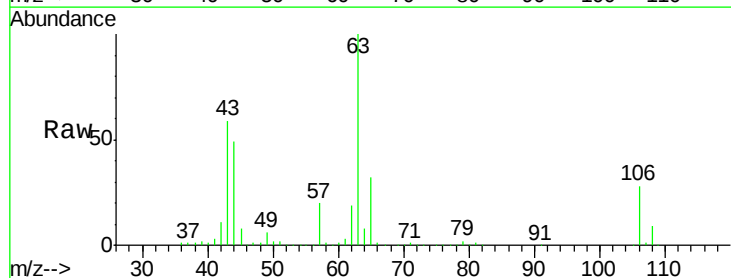
Acq: 8 Feb 2019 19:59

Tgt Ion: 63 Resp: 1004769

Ion Ratio Lower Upper

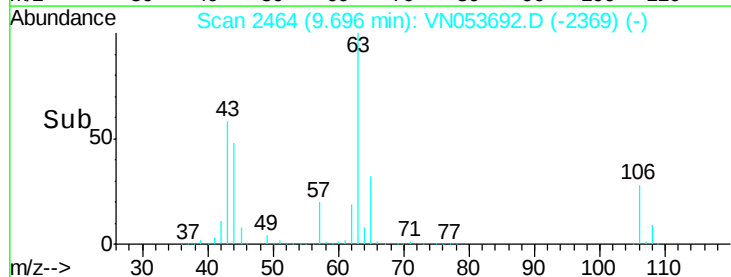
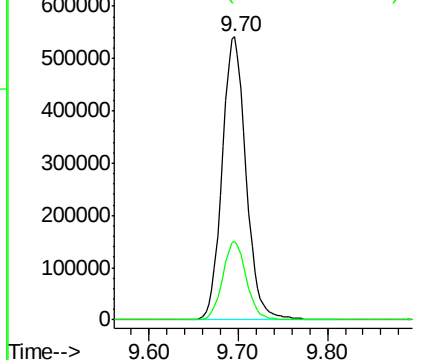
63 100

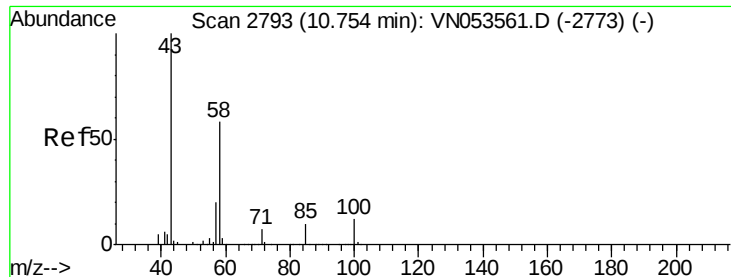
106 27.5 21.5 32.3



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





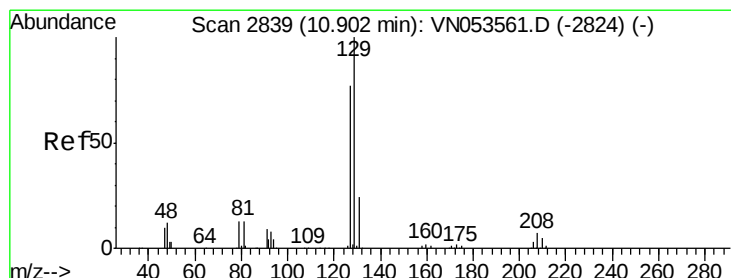
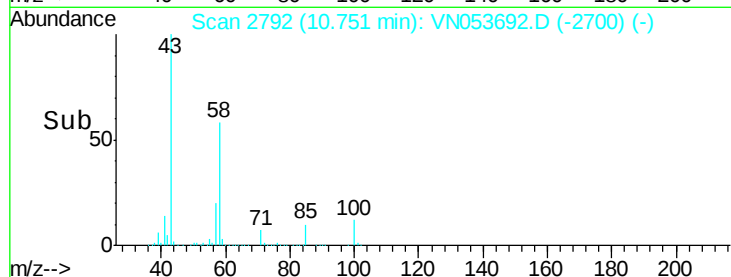
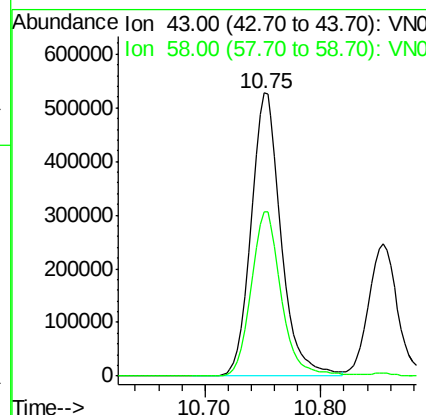
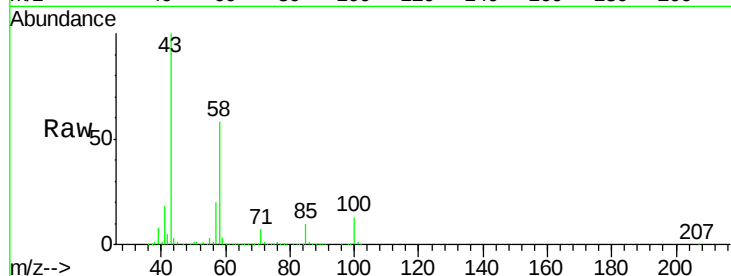
#59
2-Hexanone
Concen: 246.815 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN053692.D
Acq: 8 Feb 2019 19:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 947238
Ion Ratio Lower Upper
43 100
58 58.5 28.6 85.8

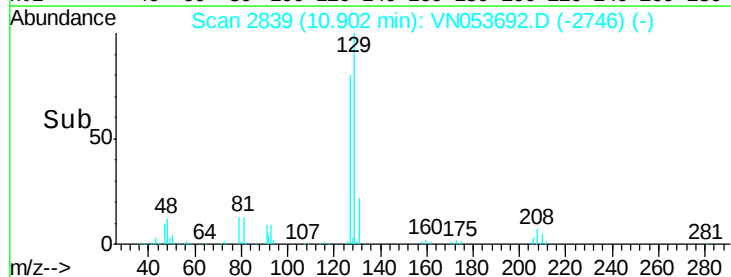
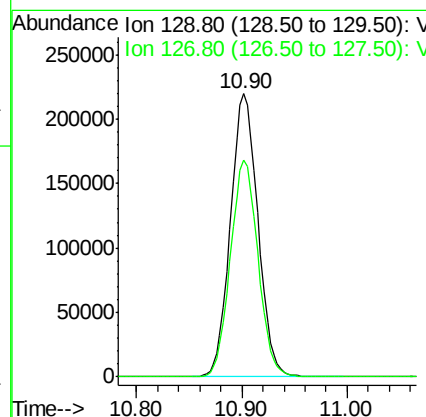
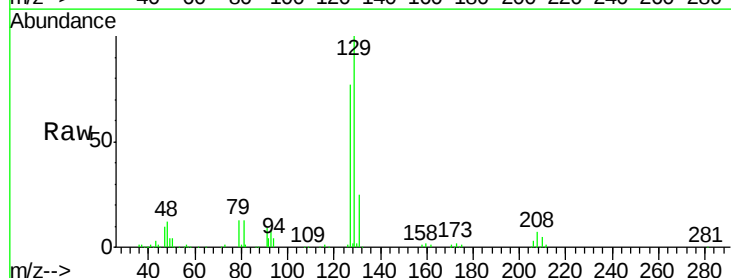
Manual Integrations
APPROVED

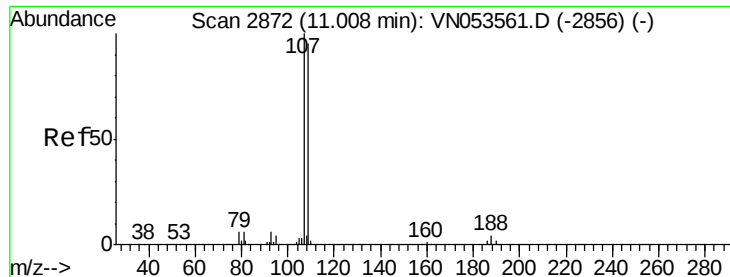
MMDadoda
2/11/2019 9:49:48 AM



#60
Dibromochloromethane
Concen: 49.893 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN053692.D
Acq: 8 Feb 2019 19:59

Tgt Ion: 129 Resp: 395764
Ion Ratio Lower Upper
129 100
127 77.0 38.6 115.8





#61

1,2-Dibromoethane

Concen: 48.597 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN053692.D

Acq: 8 Feb 2019 19:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 338345

Ion Ratio Lower Upper

107 100

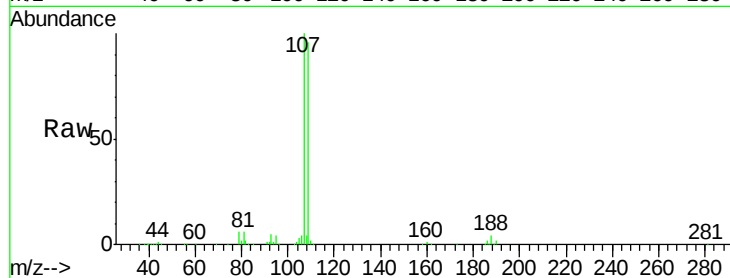
109 95.7 75.7 113.5

Manual Integrations

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2/11/2019 9:49:48 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.01

200000

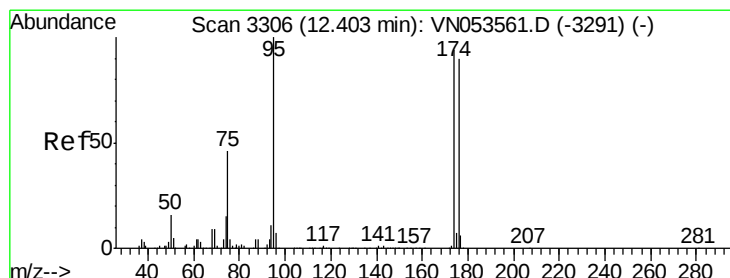
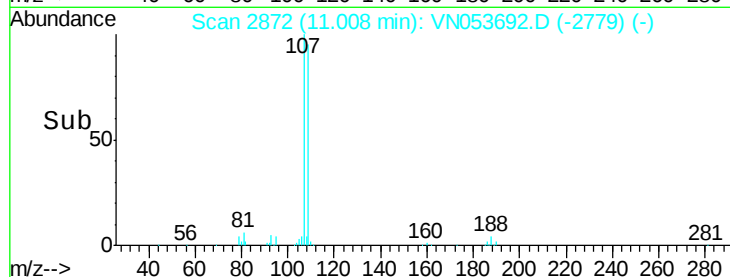
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 52.003 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN053692.D

Acq: 8 Feb 2019 19:59

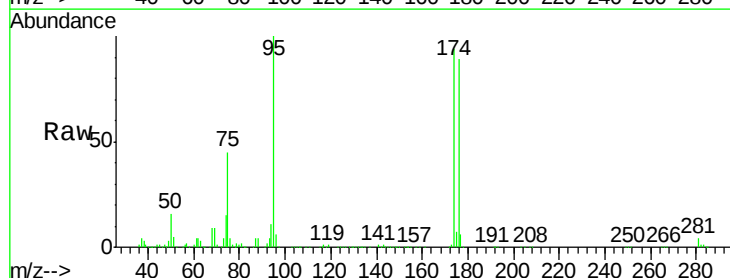
Tgt Ion: 95 Resp: 486892

Ion Ratio Lower Upper

95 100

174 92.3 0.0 183.2

176 89.2 0.0 177.4



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.40

400000

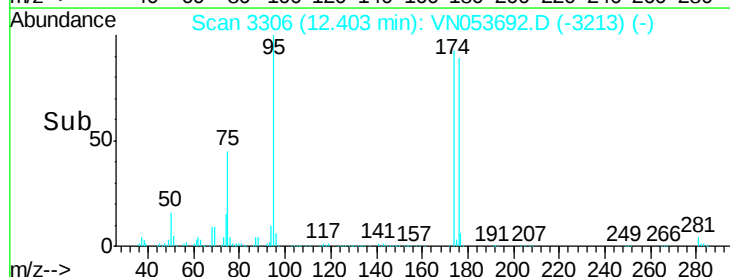
300000

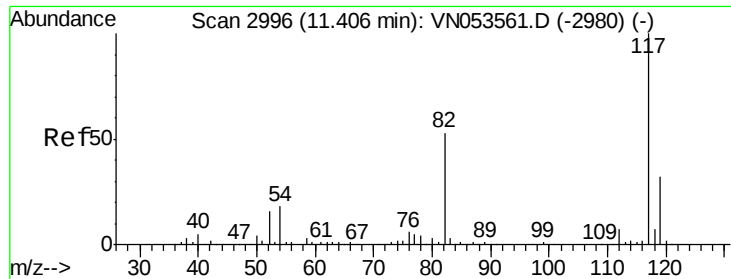
200000

100000

0

Time-->





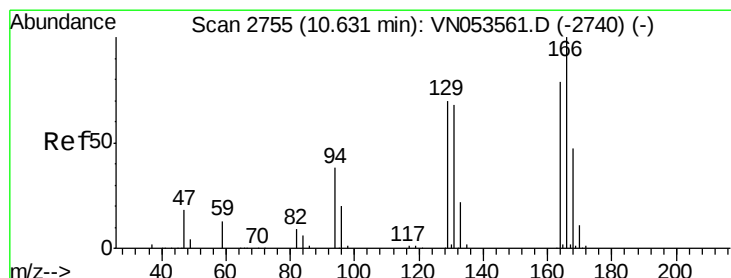
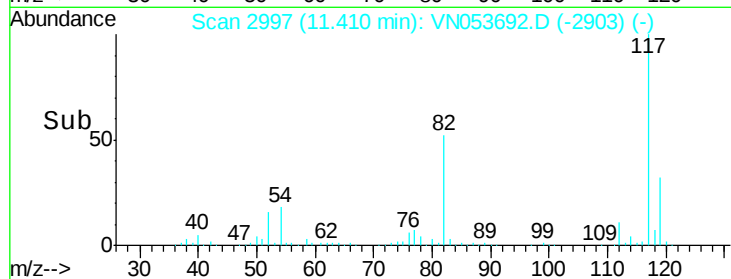
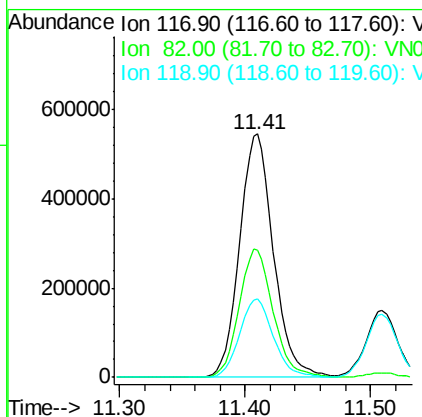
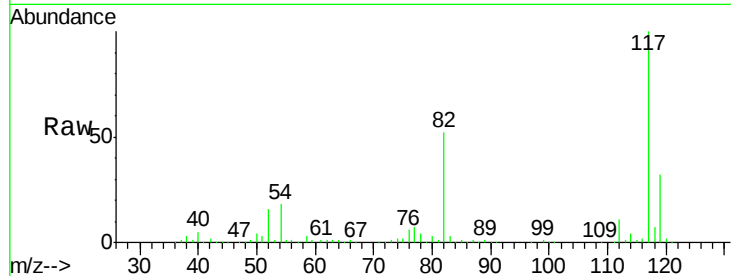
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN053692.D
Acq: 8 Feb 2019 19:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:117 Resp: 1026072
Ion Ratio Lower Upper
117 100
82 52.2 42.9 64.3
119 32.1 26.0 39.0

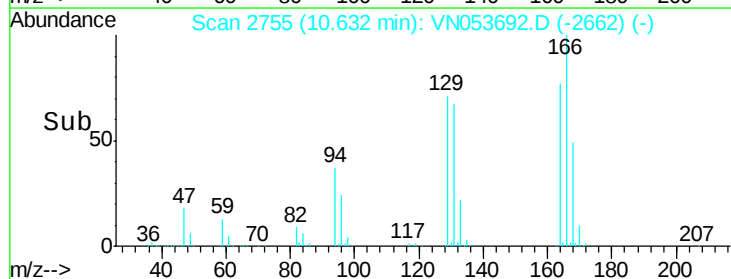
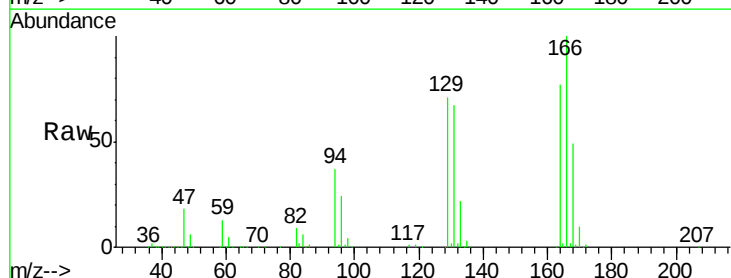
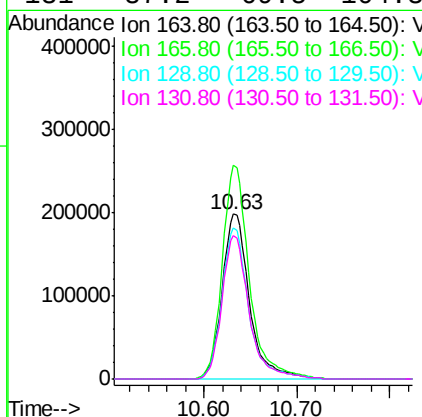
Manual Integrations
APPROVED

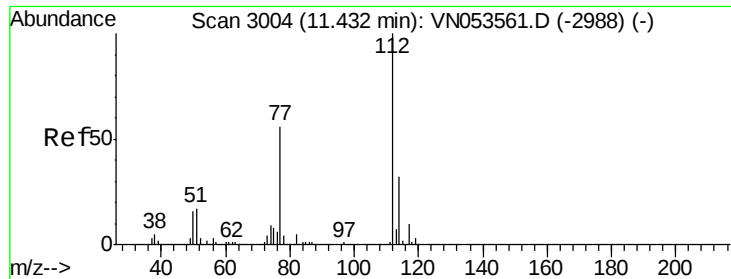
MMDadoda
2/11/2019 9:49:48 AM



#64
Tetrachloroethene
Concen: 46.174 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053692.D
Acq: 8 Feb 2019 19:59

Tgt Ion:164 Resp: 406128
Ion Ratio Lower Upper
164 100
166 129.7 102.2 153.4
129 92.0 72.6 109.0
131 87.2 69.5 104.3





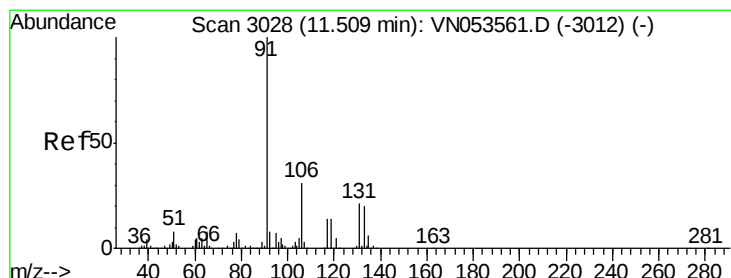
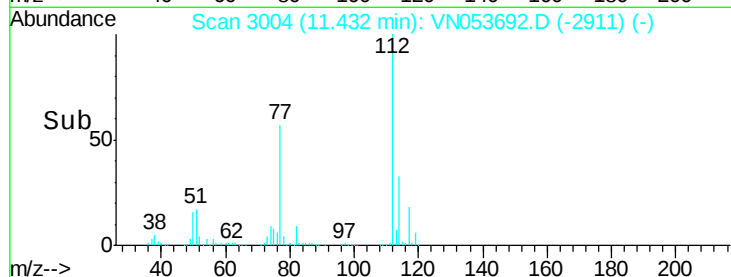
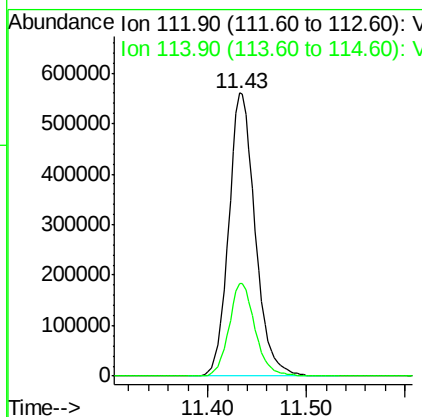
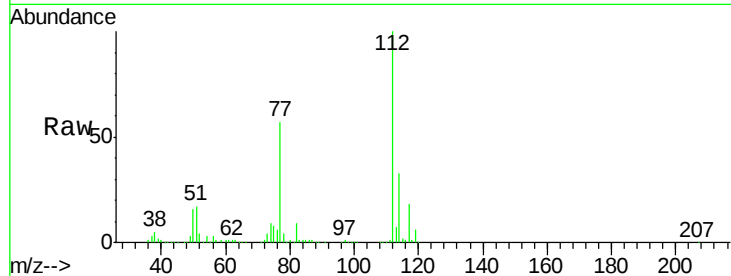
#65
Chlorobenzene
Concen: 48.109 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN053692.D
Acq: 8 Feb 2019 19:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 1048530
Ion Ratio Lower Upper
112 100
114 32.7 25.3 37.9

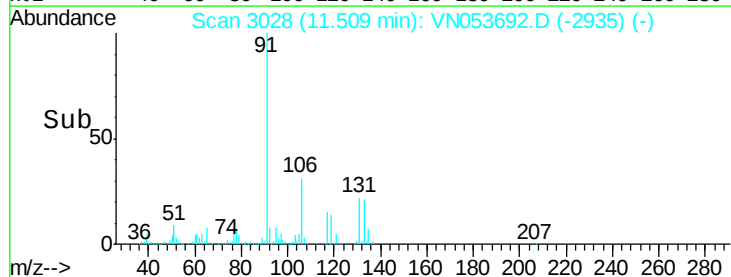
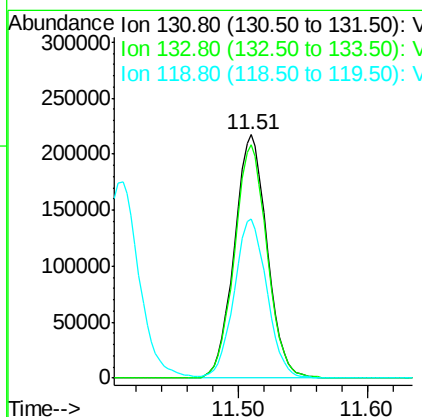
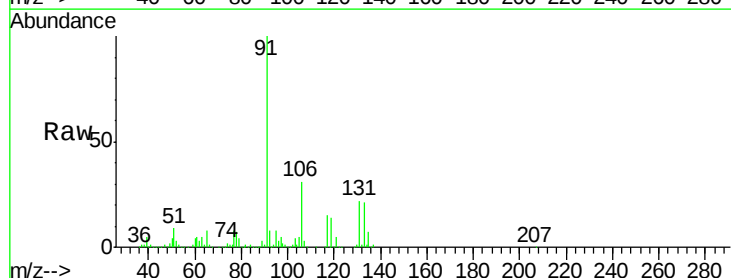
Manual Integrations
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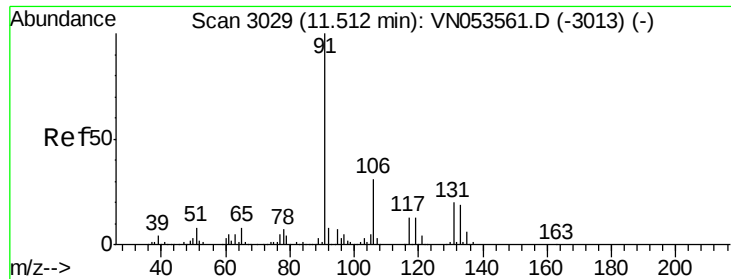
MMDadoda
2/11/2019 9:49:48 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 50.463 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN053692.D
Acq: 8 Feb 2019 19:59

Tgt Ion:131 Resp: 384103
Ion Ratio Lower Upper
131 100
133 95.5 48.0 144.0
119 65.4 33.5 100.5





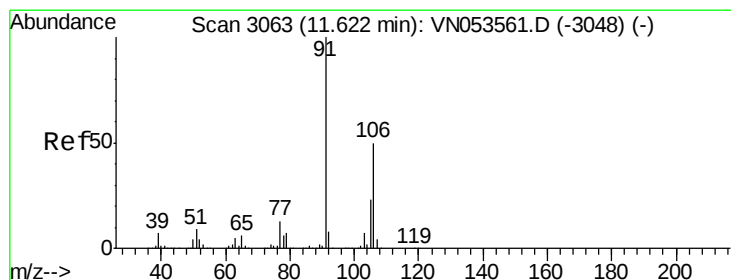
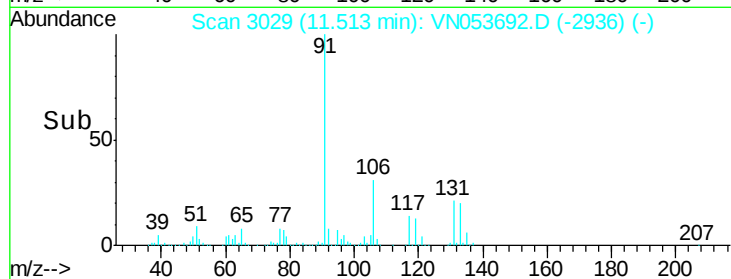
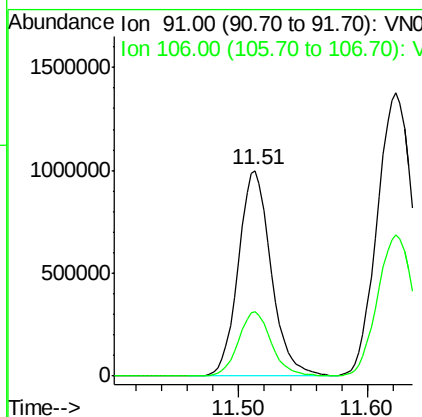
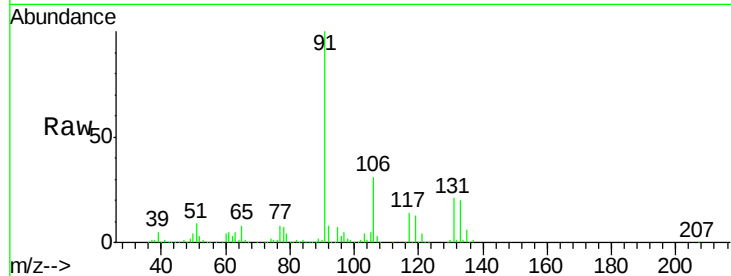
#67
Ethyl Benzene
Concen: 49.432 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN053692.D
Acq: 8 Feb 2019 19:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1769789
Ion Ratio Lower Upper
91 100
106 31.3 25.0 37.6

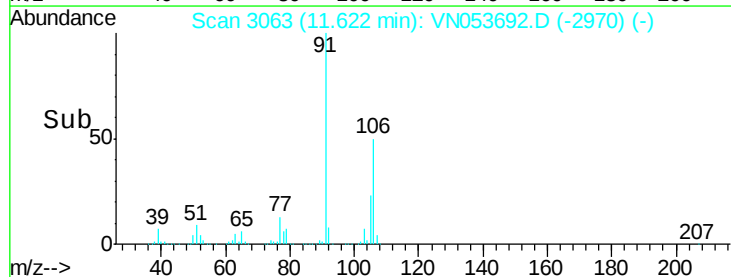
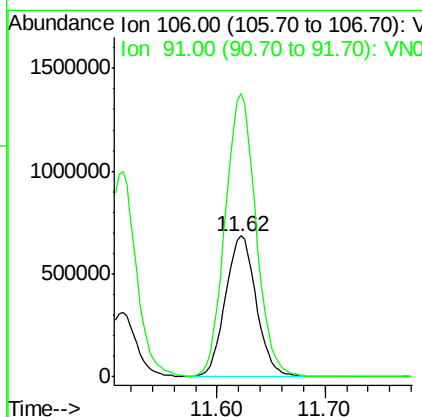
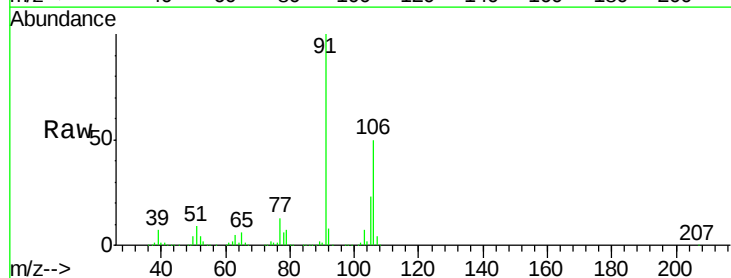
Manual Integrations
APPROVED

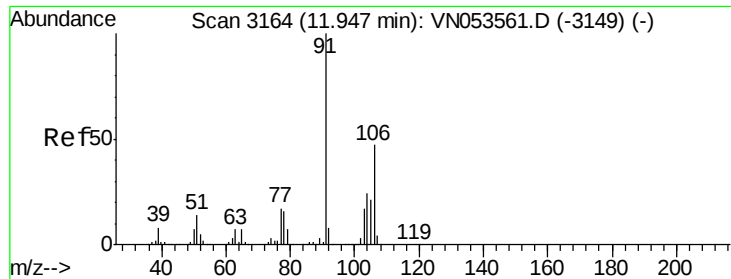
MMDadoda
2/11/2019 9:49:48 AM



#68
m/p-Xylenes
Concen: 99.988 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053692.D
Acq: 8 Feb 2019 19:59

Tgt Ion: 106 Resp: 1366273
Ion Ratio Lower Upper
106 100
91 200.4 161.4 242.2





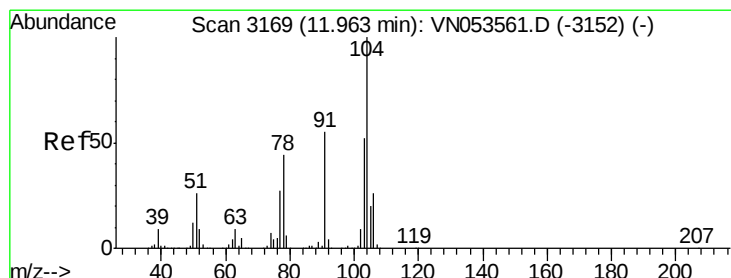
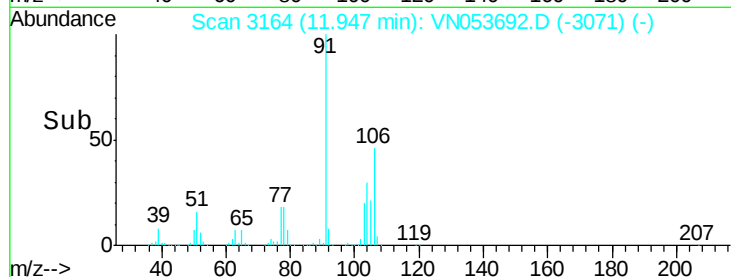
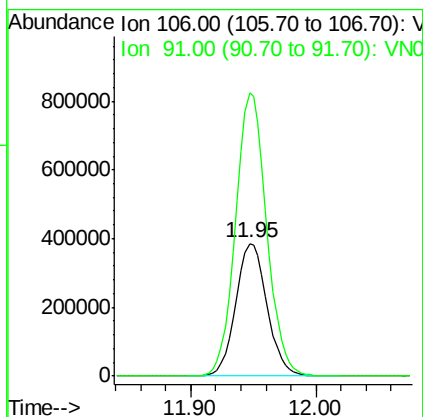
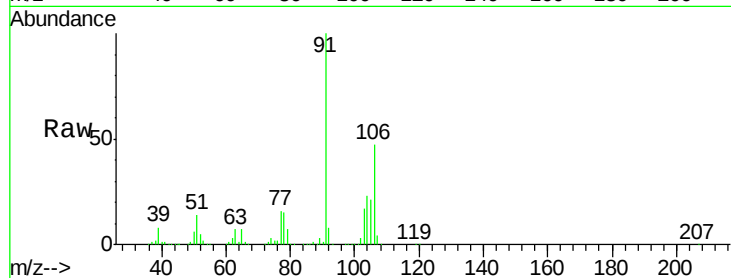
#69
o-Xylene
Concen: 50.633 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053692.D
Acq: 8 Feb 2019 19:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	211.8	106.9	320.8

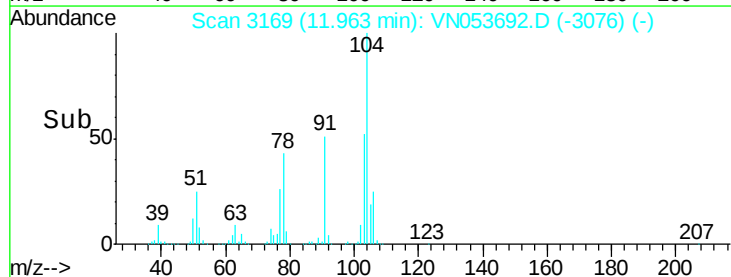
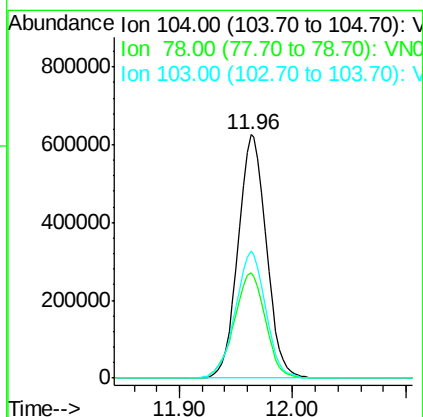
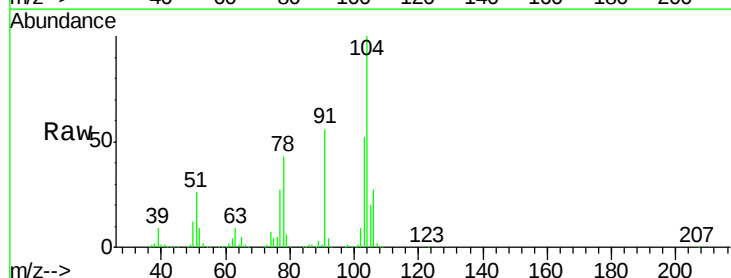
Manual Integrations
APPROVED

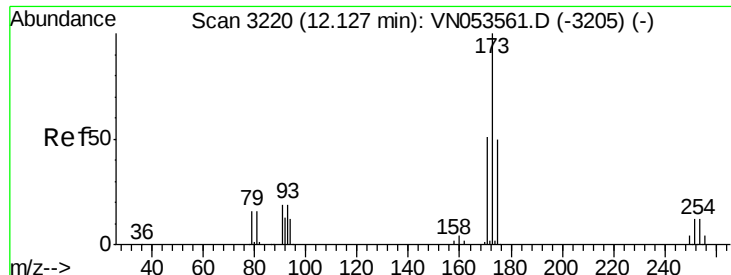
MMDadoda
2/11/2019 9:49:48 AM



#70
Styrene
Concen: 50.904 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN053692.D
Acq: 8 Feb 2019 19:59

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.6	38.2	57.2
103	55.8	44.4	66.6





#71

Bromoform

Concen: 51.938 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN053692.D

Acq: 8 Feb 2019 19:59

Instrument :

MSVOA_N

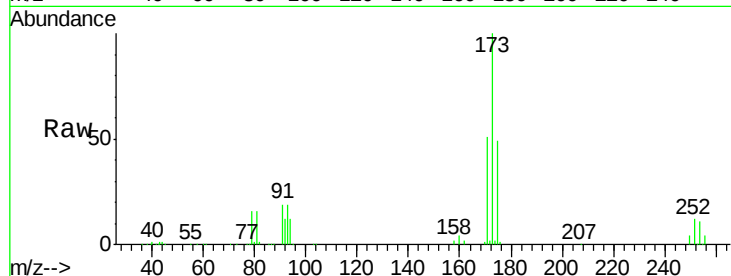
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.6	74.0
254	0.1	0.2	0.2

Manual Integrations
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2/11/2019 9:49:48 AM

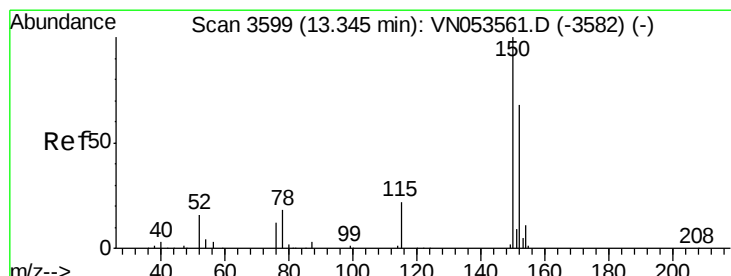
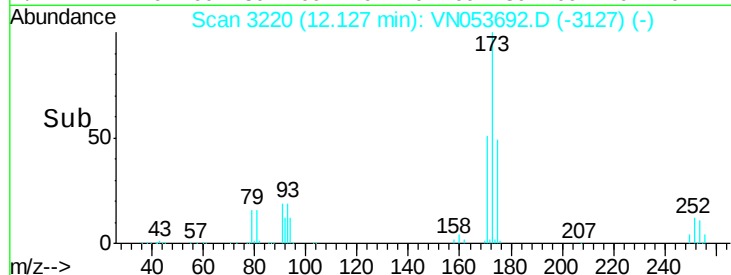
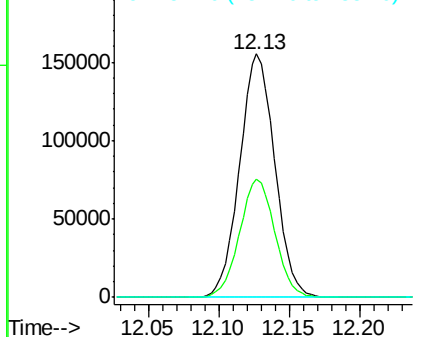


Abundance

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

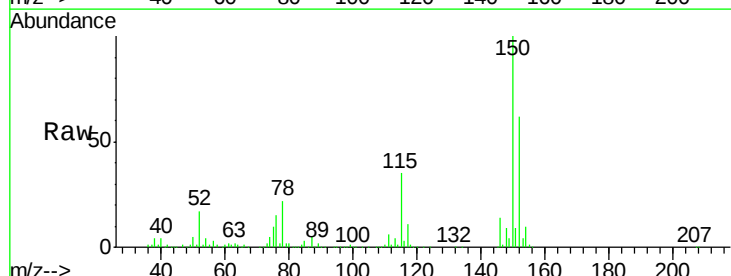
RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN053692.D

Acq: 8 Feb 2019 19:59

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.8	27.8	83.4
150	174.2	0.0	349.0

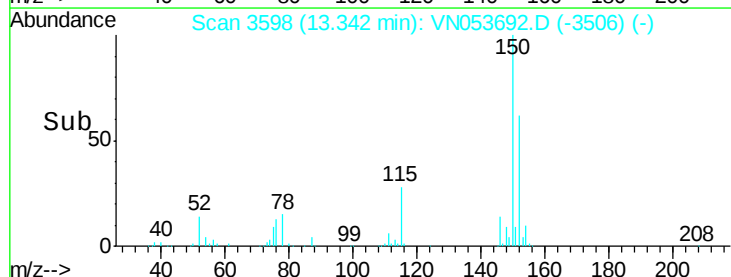
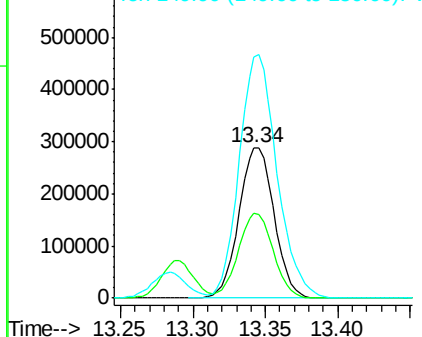


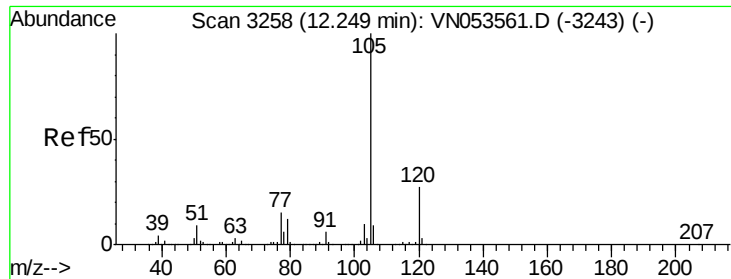
Abundance

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: 50.975 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053692.D

Acq: 8 Feb 2019 19:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 1737383

Ion Ratio Lower Upper

105 100

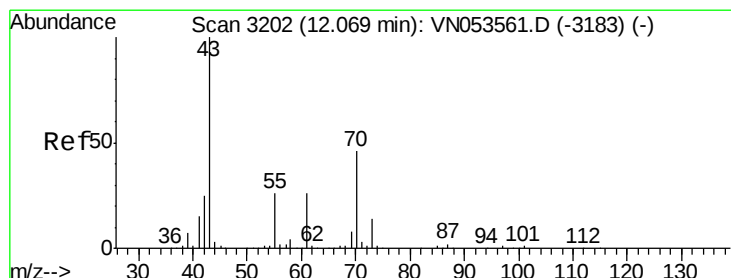
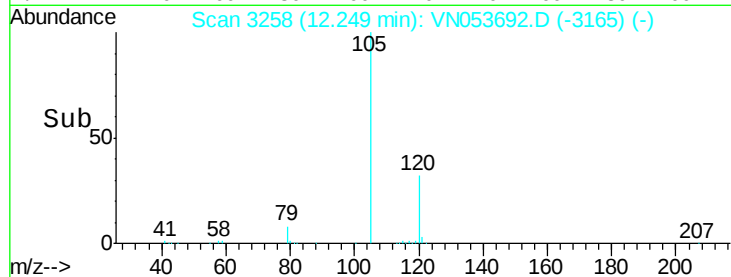
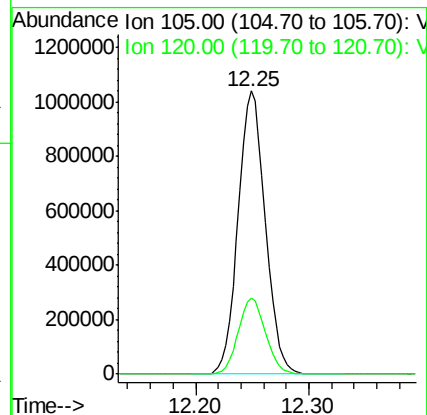
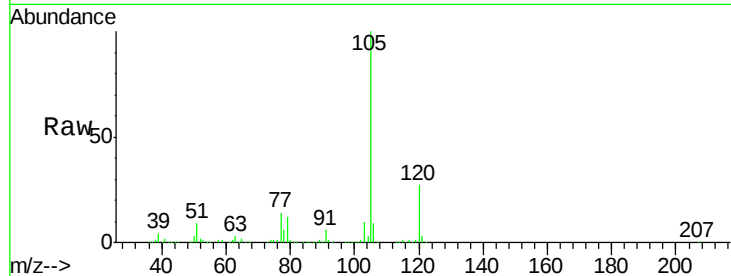
120 27.0 13.6 40.7

Manual Integrations

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2/11/2019 9:49:48 AM



#74

N-ethyl acetate

Concen: 53.831 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053692.D

Acq: 8 Feb 2019 19:59

Tgt Ion: 43 Resp: 441197

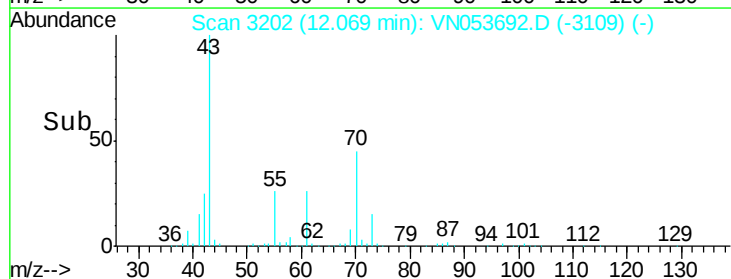
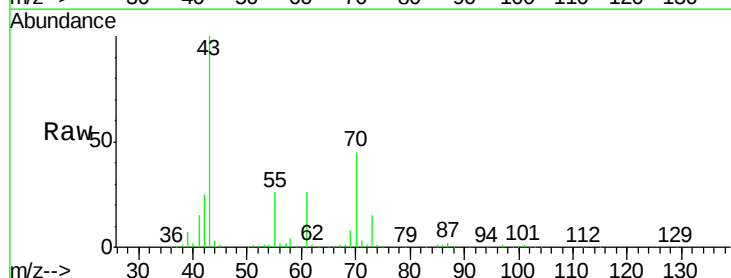
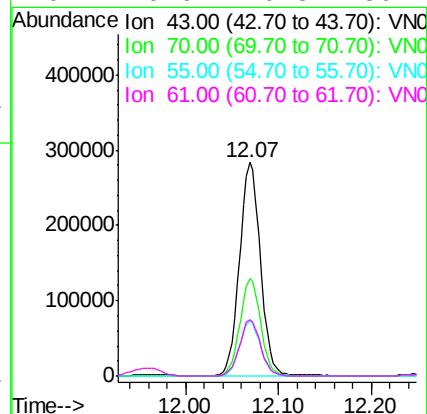
Ion Ratio Lower Upper

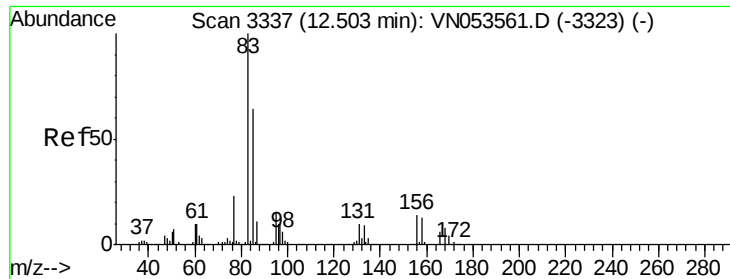
43 100

70 45.4 35.4 53.2

55 25.6 20.9 31.3

61 26.6 20.5 30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 50.392 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053692.D

Acq: 8 Feb 2019 19:59

Instrument :

MSVOA_N

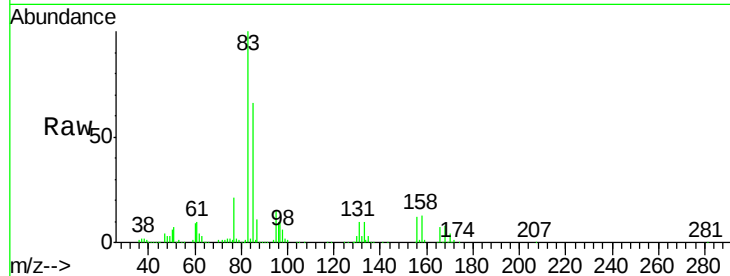
ClientSampleId :

VSTDCCC050EC

Tot Ion	83	Resp	411049
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.3	15.8
85	64.9	32.1	96.3

Manual Integrations
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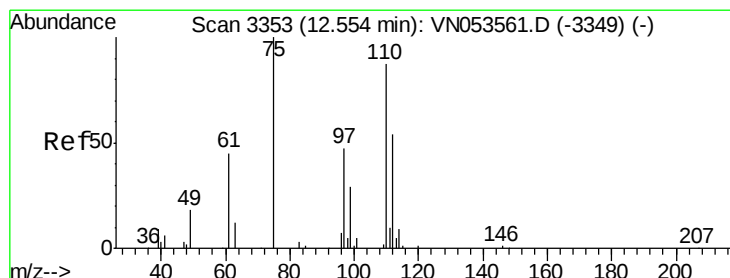
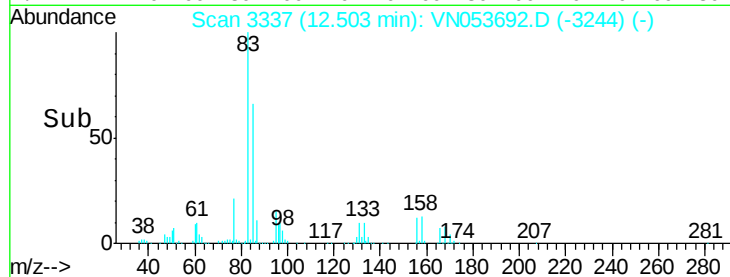
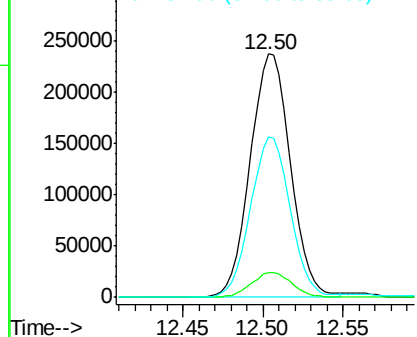
MMDadoda
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Abundance Ion 82.90 (82.60 to 83.60): VN053561.D (-3323) (-)

Ion 130.80 (130.50 to 131.50): VN053561.D (-3323) (-)

Ion 84.90 (84.60 to 85.60): VN053561.D (-3323) (-)



#76

1,2,3-Trichloropropane

Concen: 49.678 ug/l m

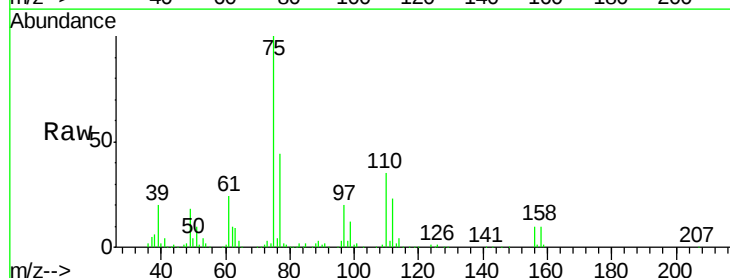
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN053692.D

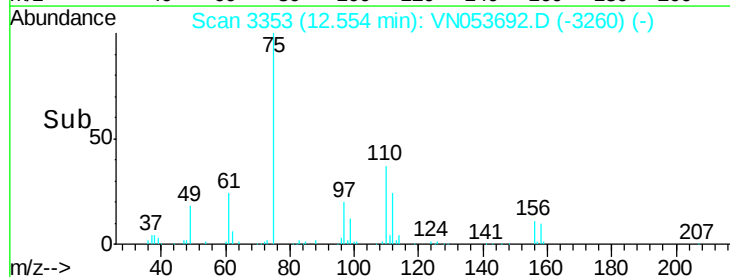
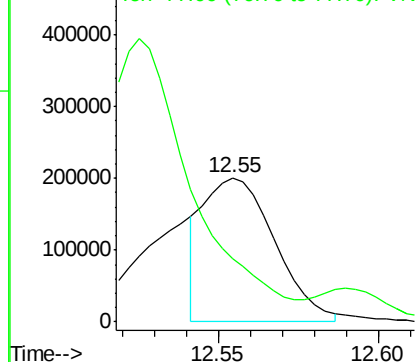
Acq: 8 Feb 2019 19:59

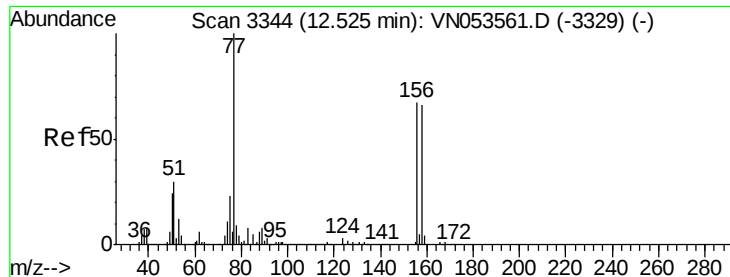
Tgt Ion	75	Resp	309365
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN053561.D (-3349) (-)

Ion 77.00 (76.70 to 77.70): VN053561.D (-3349) (-)





#77

Bromobenzene

Concen: 49.699 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053692.D

Acq: 8 Feb 2019 19:59

Instrument :

MSVOA_N

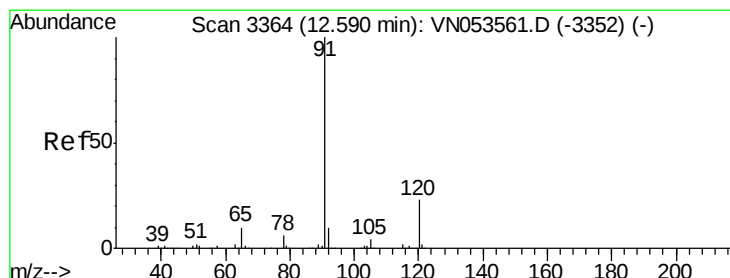
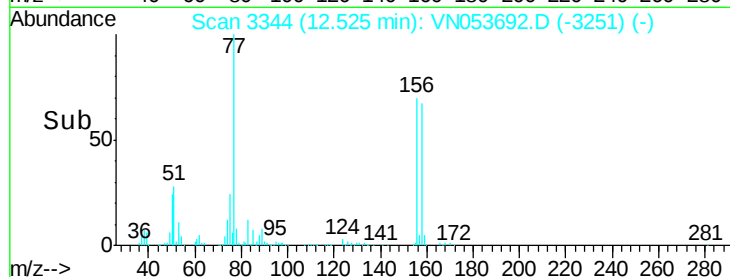
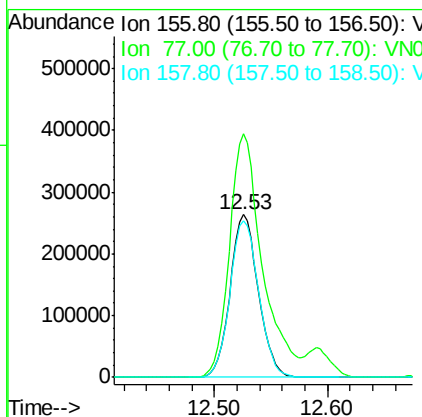
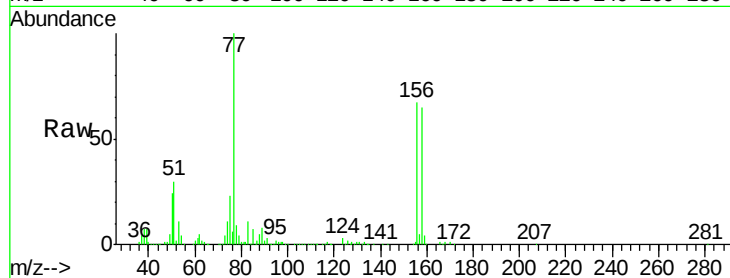
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	456519
Ion Ratio	Lower	Upper	
156	100		
77	174.5	87.9	263.8
158	98.1	48.8	146.4

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#78

n-propylbenzene

Concen: 50.688 ug/l

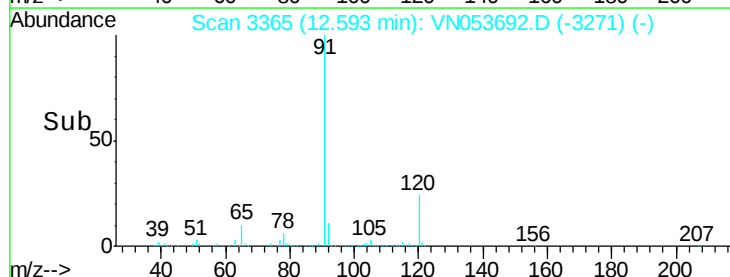
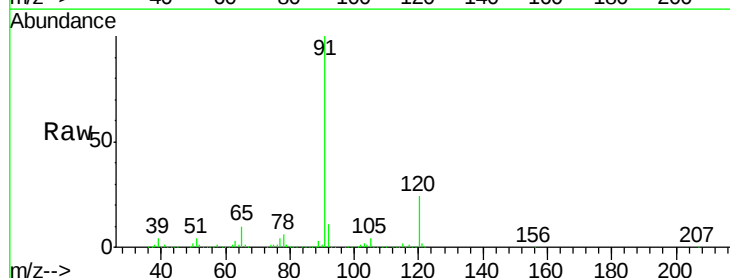
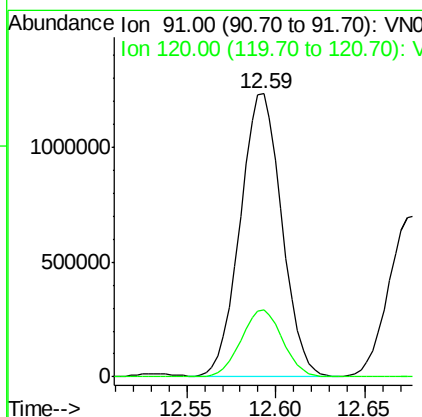
RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN053692.D

Acq: 8 Feb 2019 19:59

Tgt Ion:	91	Resp:	1997153
Ion Ratio	Lower	Upper	
91	100		
120	23.7	11.9	35.5





#79

2-Chlorotoluene

Concen: 50.489 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN053692.D

Acq: 8 Feb 2019 19:59

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050EC

Tot Ion: 91 Resp: 1180208

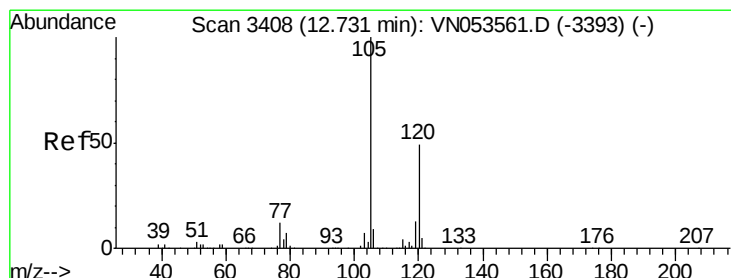
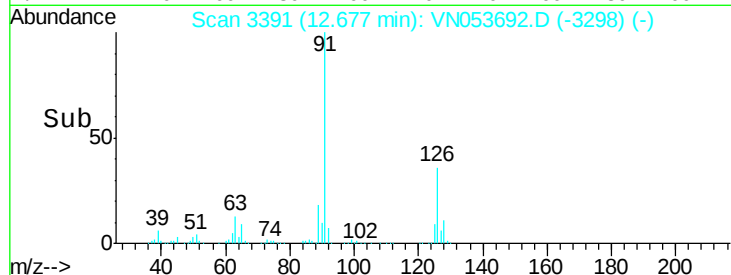
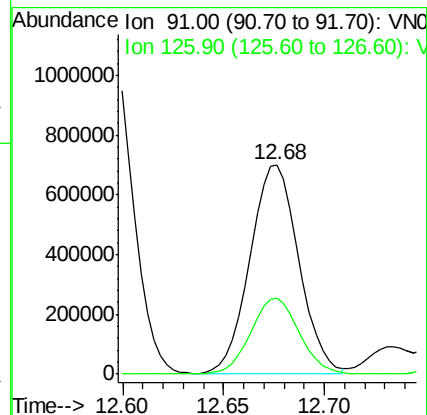
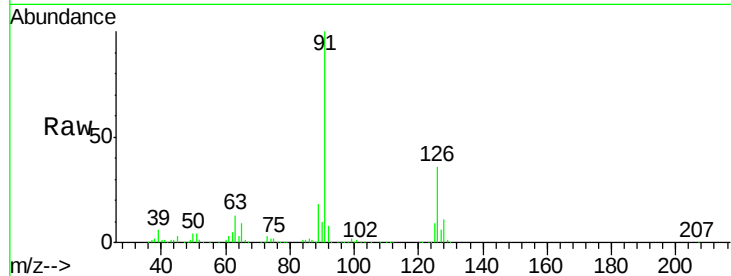
Ion Ratio Lower Upper

91 100

126 36.3 17.9 53.7

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#80

1,3,5-Trimethylbenzene

Concen: 52.269 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053692.D

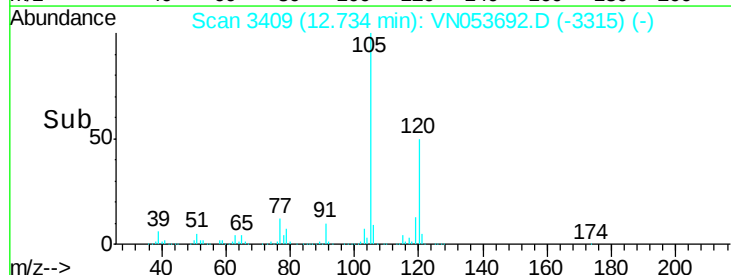
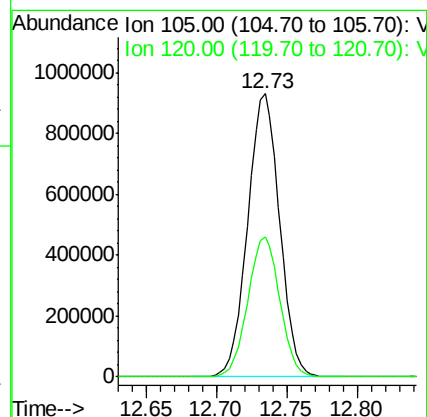
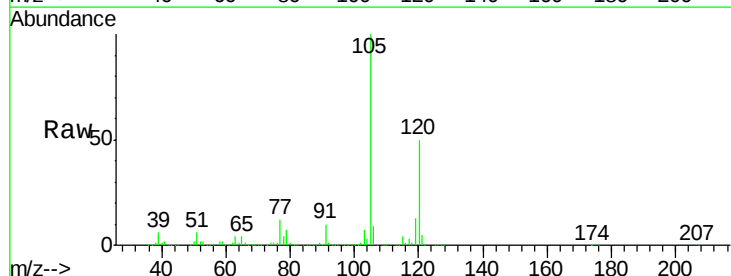
Acq: 8 Feb 2019 19:59

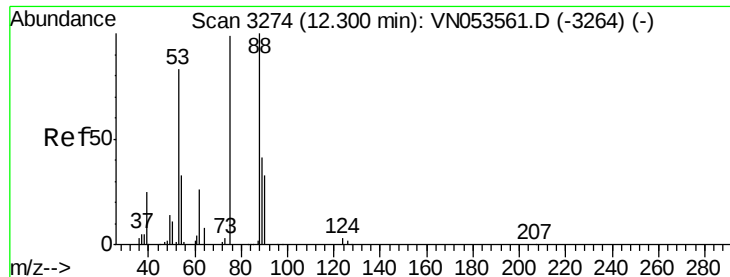
Tgt Ion: 105 Resp: 1477305

Ion Ratio Lower Upper

105 100

120 49.7 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 50.582 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN053692.D

Acq: 8 Feb 2019 19:59

Instrument :

MSVOA_N

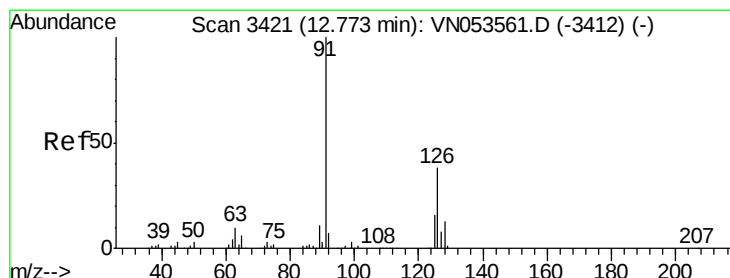
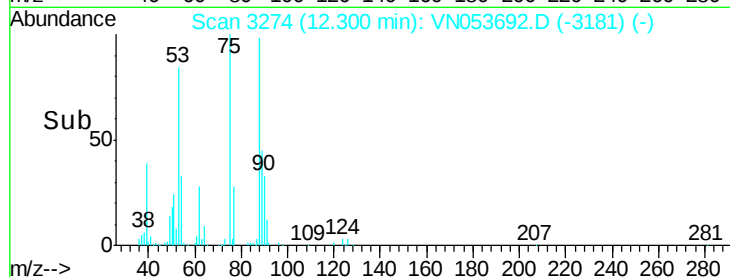
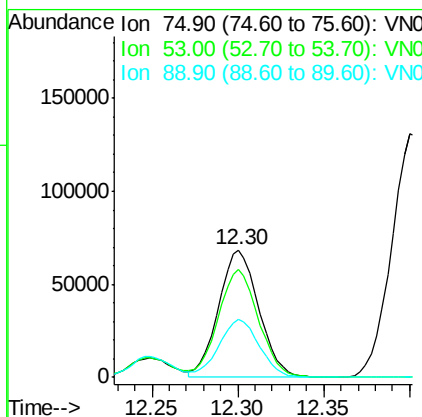
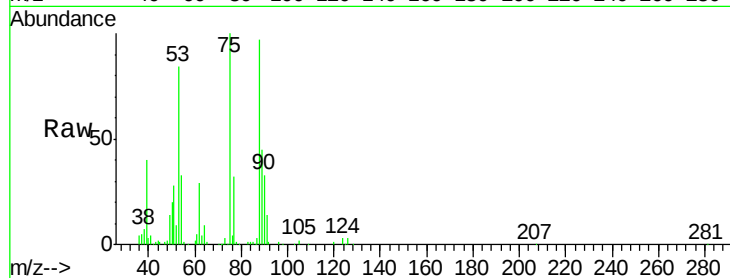
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	112022
Ion	Ratio	Lower	Upper
75	100		
53	85.0	69.8	104.6
89	45.3	35.6	53.4

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#82

4-Chlorotoluene

Concen: 50.257 ug/l

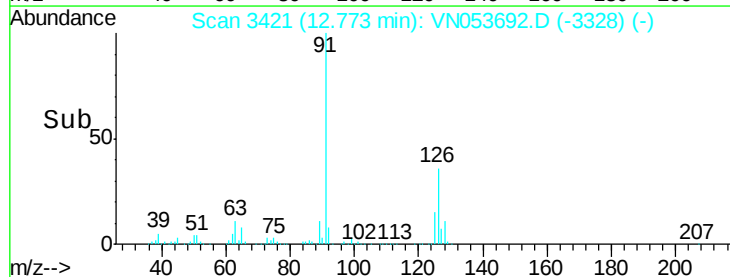
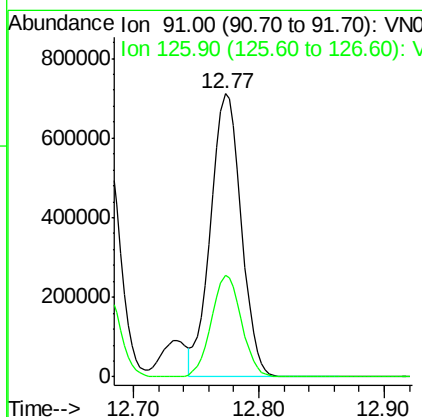
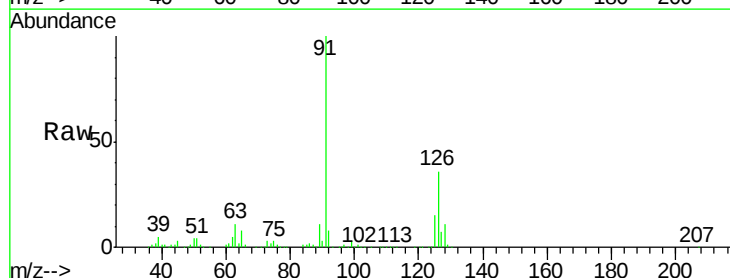
RT: 12.77 min Scan# 3421

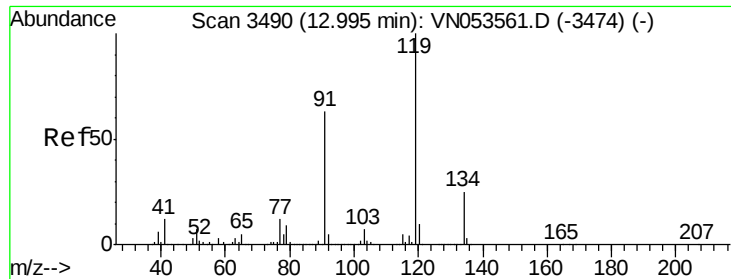
Delta R.T. 0.00 min

Lab File: VN053692.D

Acq: 8 Feb 2019 19:59

Tgt Ion:	91	Resp:	1205489
Ion	Ratio	Lower	Upper
91	100		
126	35.3	17.6	52.9





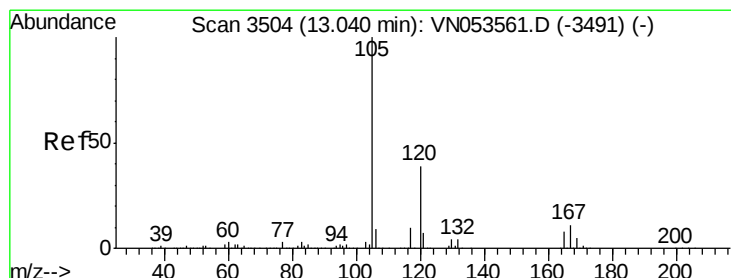
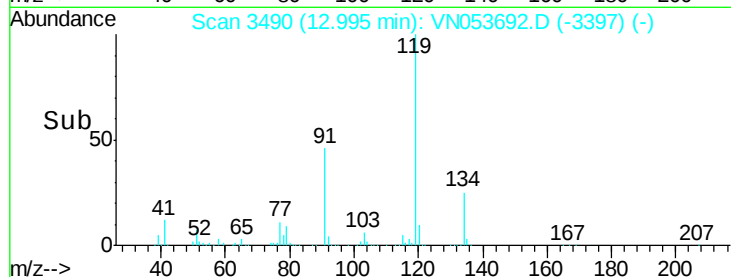
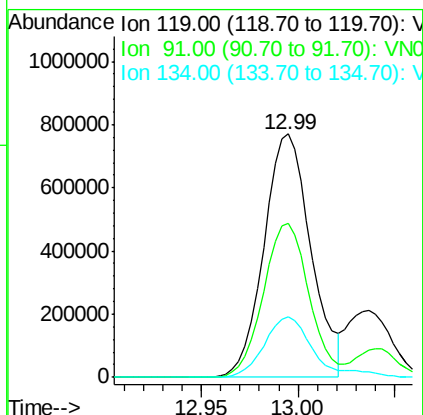
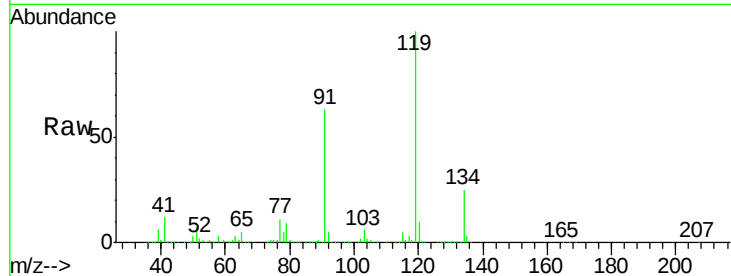
#83
tert-Butylbenzene
Concen: 52.192 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN053692.D
Acq: 8 Feb 2019 19:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	61.9	31.3	93.8
134	26.0	12.9	38.7

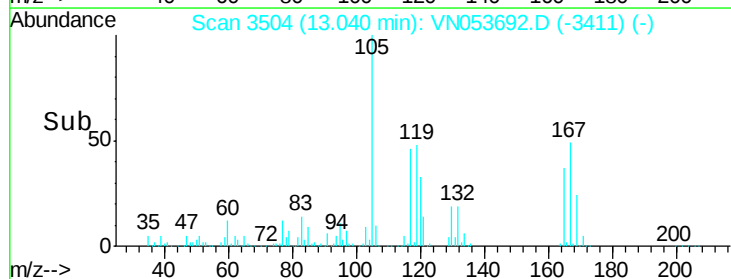
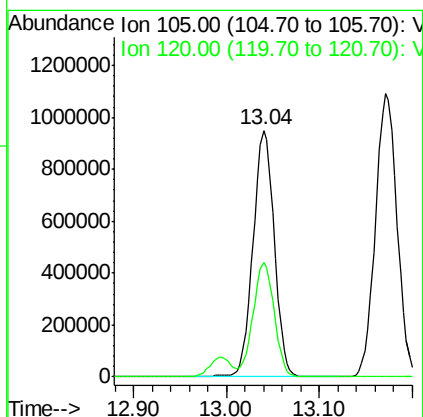
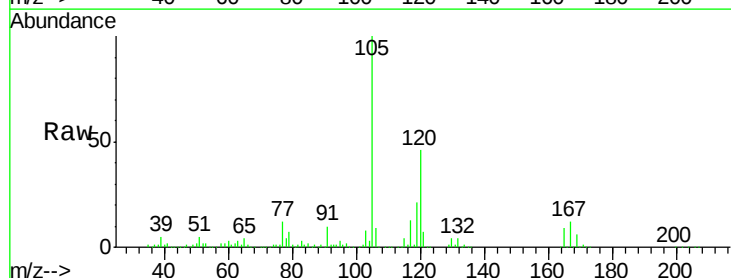
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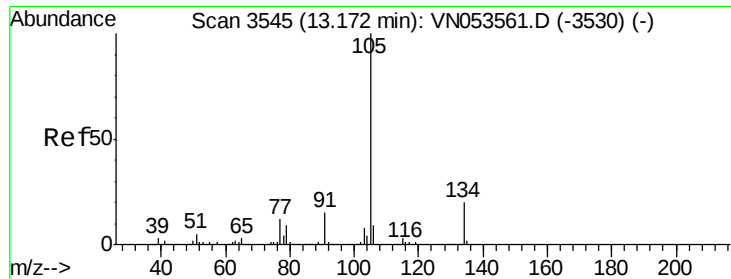
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#84
1,2,4-Trimethylbenzene
Concen: 52.290 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN053692.D
Acq: 8 Feb 2019 19:59

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.5	23.0	69.0





#85

sec-Butylbenzene

Concen: 51.794 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053692.D

Acq: 8 Feb 2019 19:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1760632

Ion Ratio Lower Upper

105 100

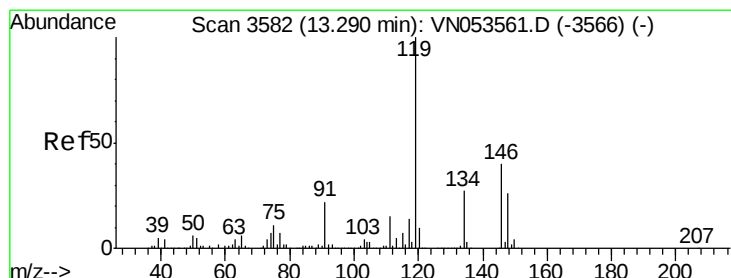
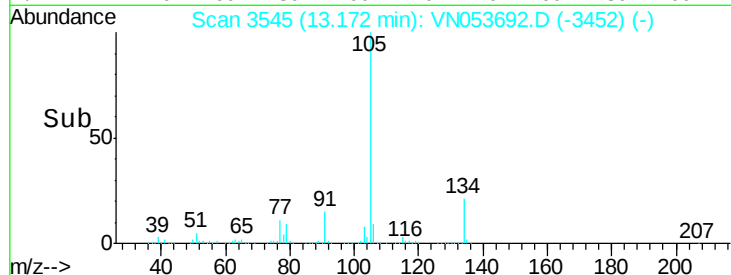
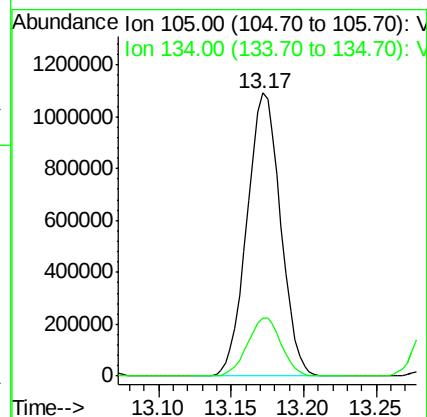
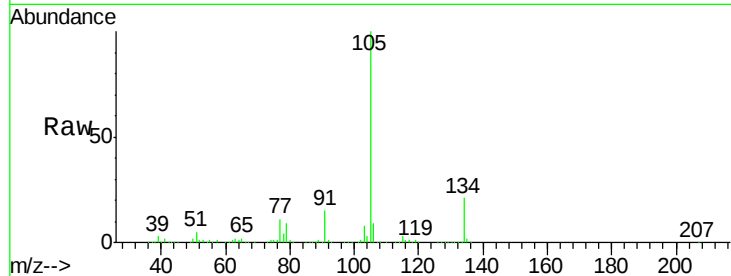
134 20.7 10.2 30.6

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#86

p-Isopropyltoluene

Concen: 51.594 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053692.D

Acq: 8 Feb 2019 19:59

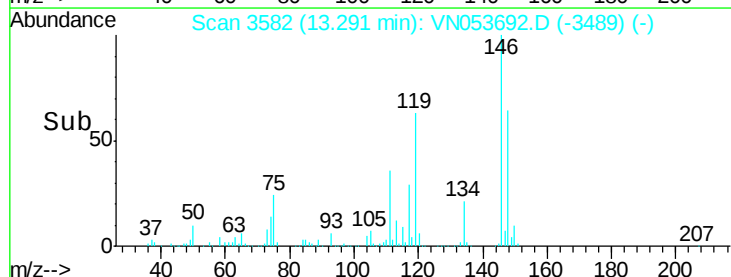
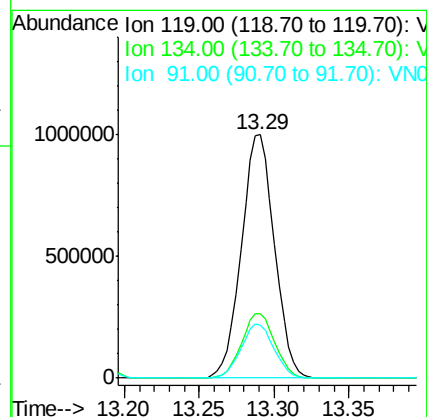
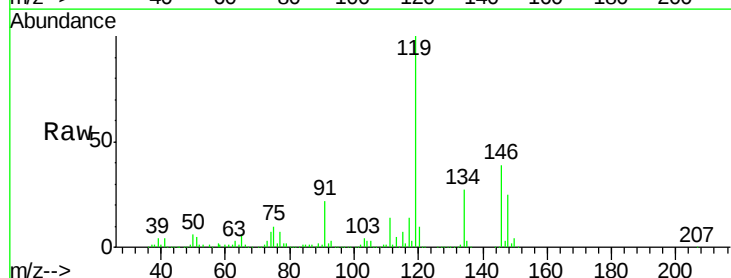
Tgt Ion:119 Resp: 1533860

Ion Ratio Lower Upper

119 100

134 26.7 13.5 40.4

91 22.0 11.0 33.0





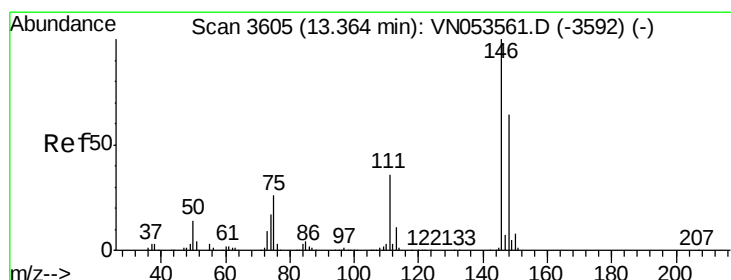
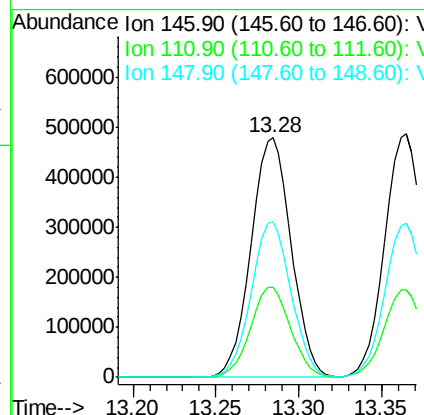
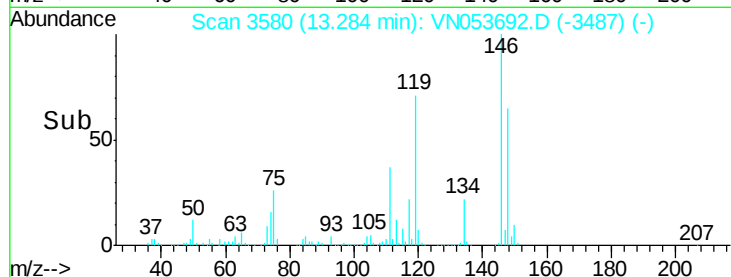
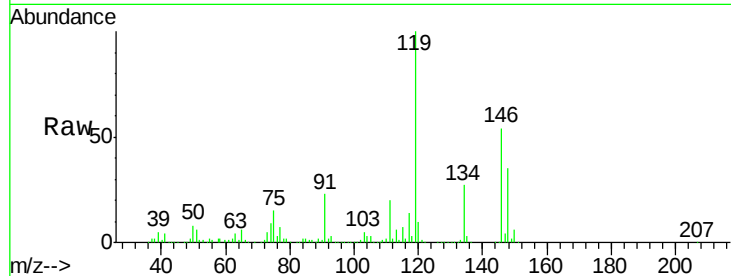
#87
 1,3-Dichlorobenzene
 Concen: 48.853 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN053692.D
 Acq: 8 Feb 2019 19:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	806699		
111	37.4	18.8	56.3	
148	64.3	32.0	96.2	

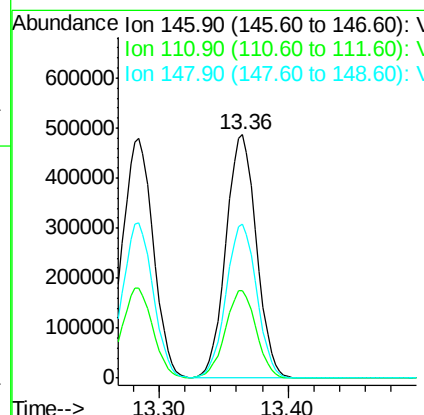
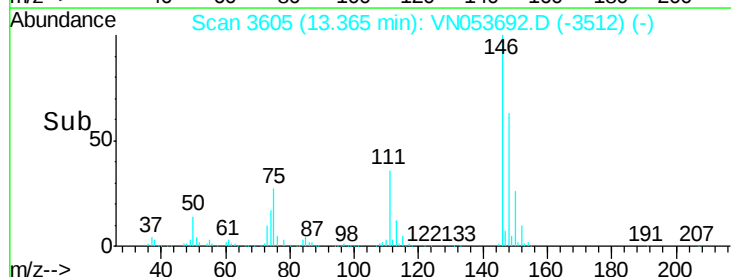
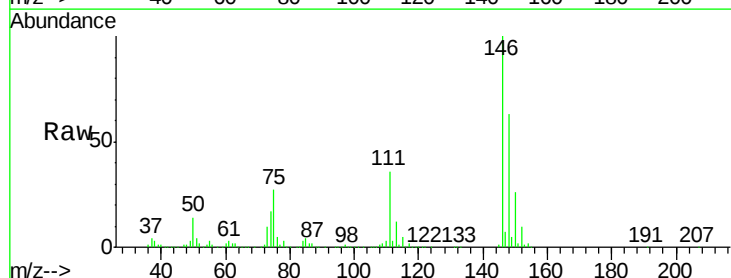
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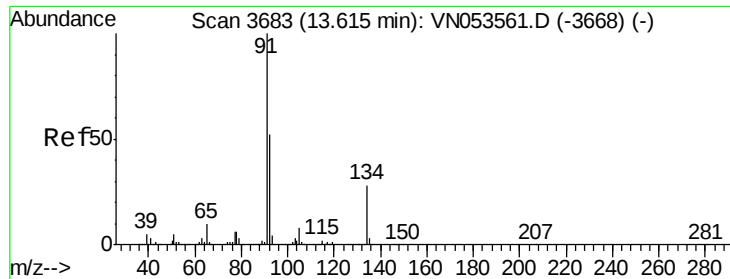
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#88
 1,4-Dichlorobenzene
 Concen: 48.756 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN053692.D
 Acq: 8 Feb 2019 19:59

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	796390		
111	36.4	18.6	55.8	
148	63.7	32.4	97.0	





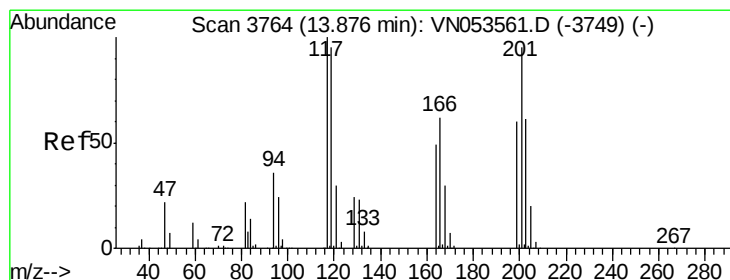
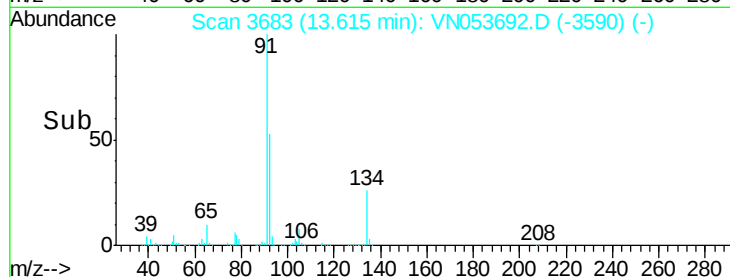
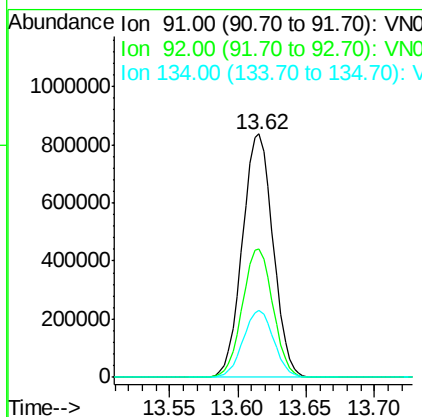
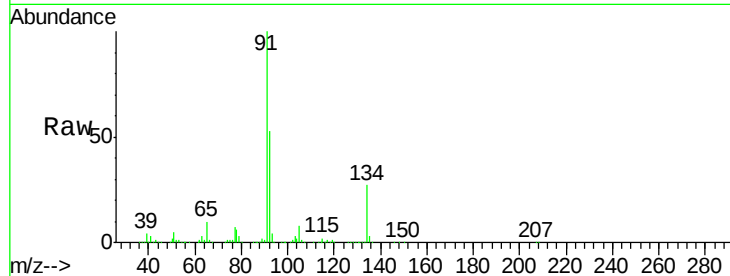
#89
n-Butylbenzene
Concen: 50.812 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN053692.D
Acq: 8 Feb 2019 19:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1307542
Ion Ratio Lower Upper
91 100
92 52.6 26.3 78.8
134 27.3 13.5 40.5

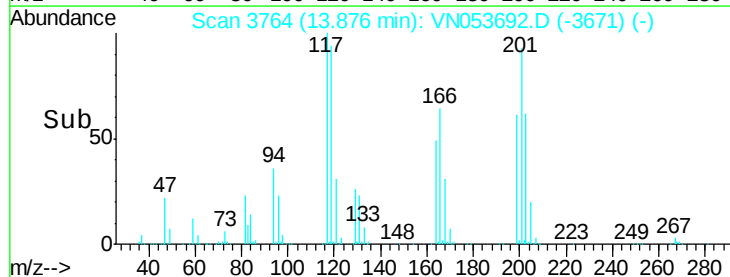
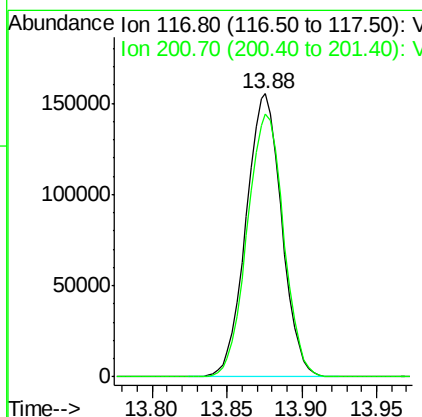
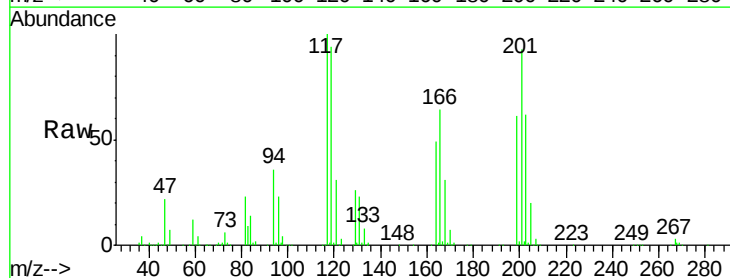
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#90
Hexachloroethane
Concen: 52.447 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN053692.D
Acq: 8 Feb 2019 19:59

Tgt Ion: 117 Resp: 257190
Ion Ratio Lower Upper
117 100
201 94.7 46.8 140.4





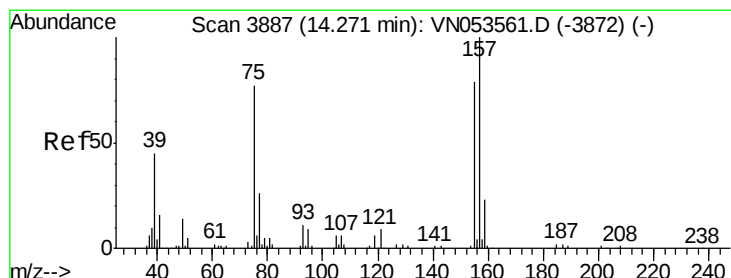
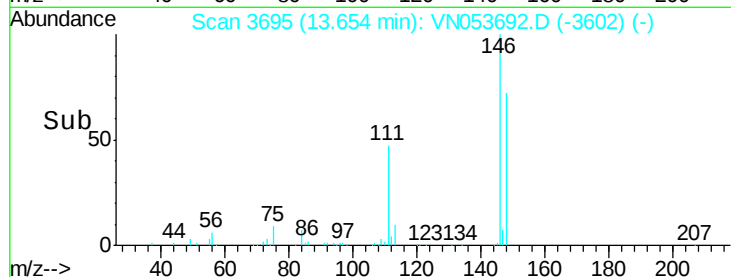
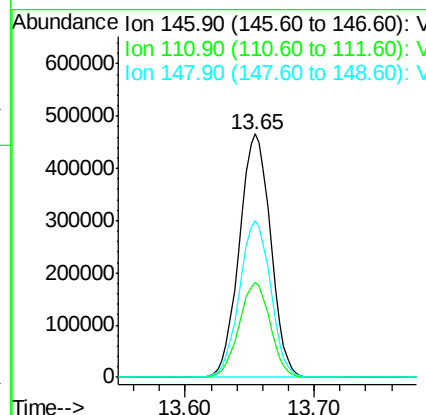
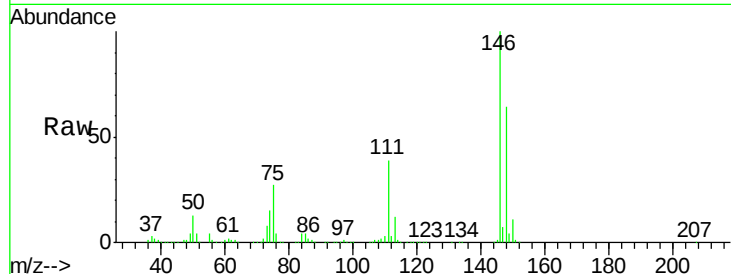
#91
 1,2-Dichlorobenzene
 Concen: 49.756 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN053692.D
 Acq: 8 Feb 2019 19:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	786554		
111	38.7	19.5	58.5	
148	64.2	31.9	95.9	

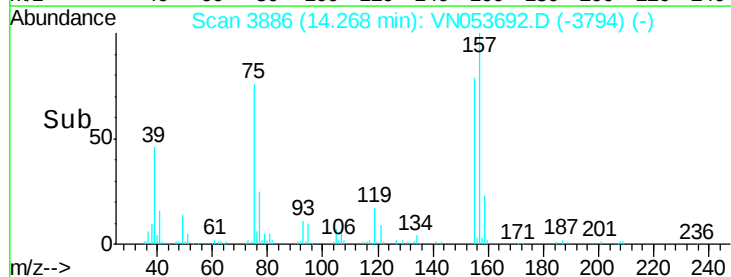
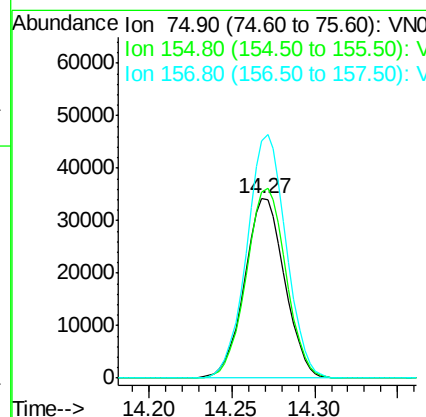
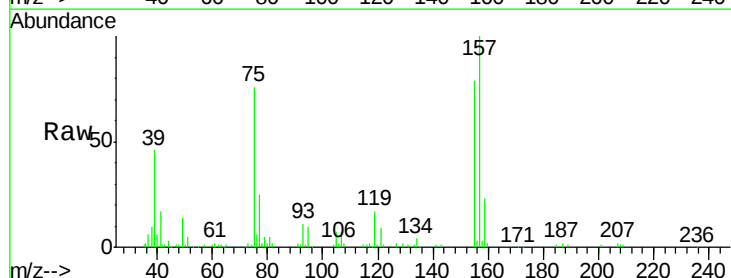
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 2/11/2019 9:49:48 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.426 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN053692.D
 Acq: 8 Feb 2019 19:59

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	57458		
155	105.0	48.9	146.7	
157	133.0	63.7	191.3	





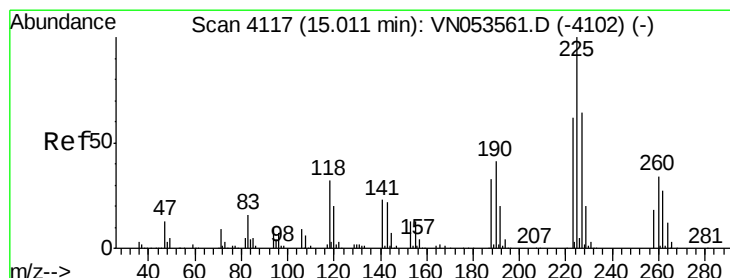
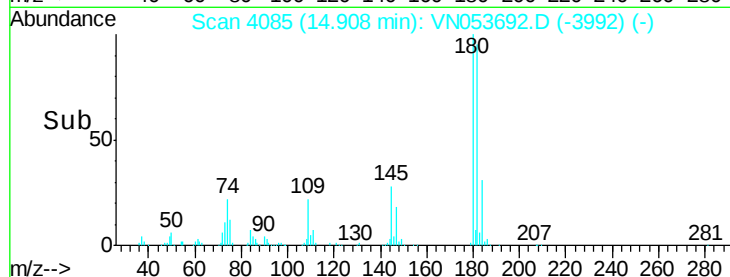
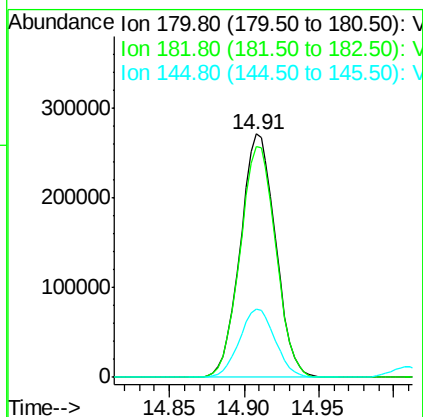
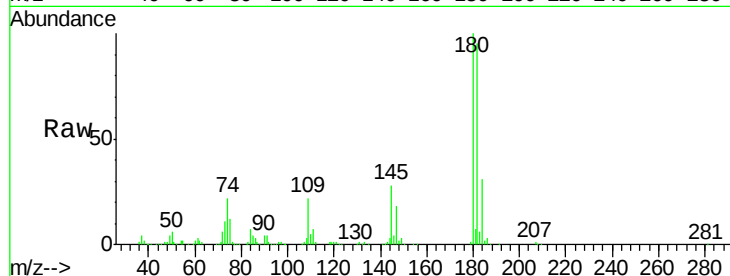
#93
 1,2,4-Trichlorobenzene
 Concen: 48.858 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053692.D
 Acq: 8 Feb 2019 19:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	442979		
182	96.2		48.1	144.3
145	28.3		13.9	41.6

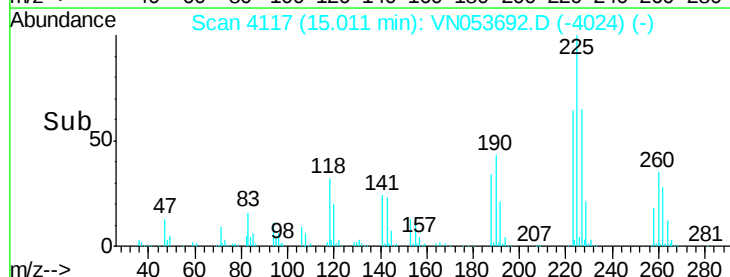
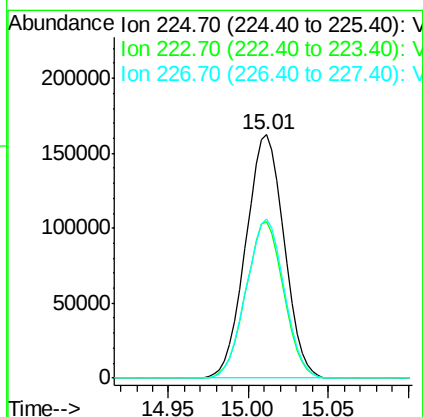
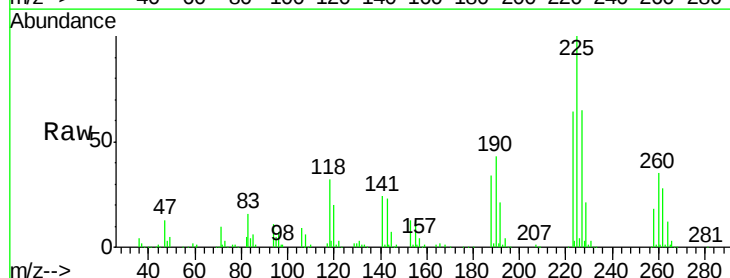
Manual Integrations
 APPROVED

MMDadoda
 2/11/2019 9:49:48 AM



#94
 Hexachlorobutadiene
 Concen: 47.355 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053692.D
 Acq: 8 Feb 2019 19:59

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	267383		
223	63.1		31.1	93.2
227	64.7		32.0	96.2





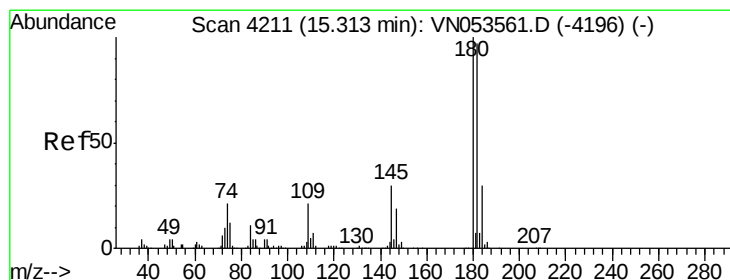
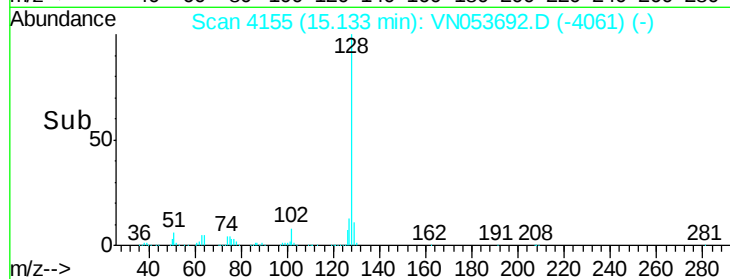
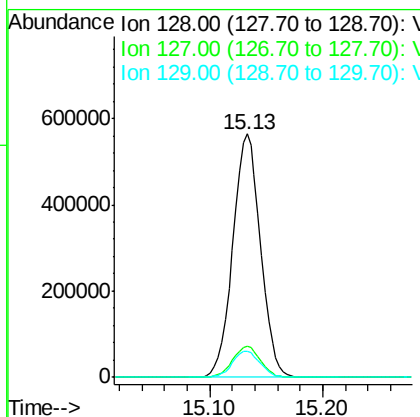
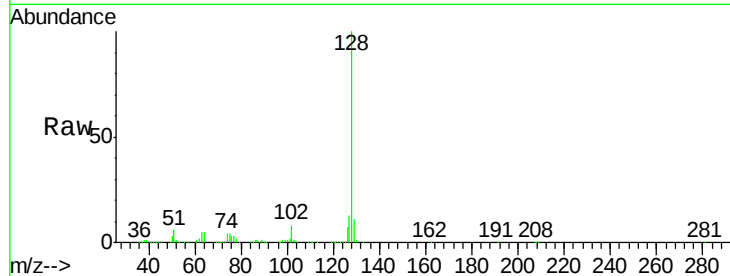
#95
Naphthalene
Concen: 45.058 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN053692.D
Acq: 8 Feb 2019 19:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.3	15.5
129	10.8	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
2/11/2019 9:49:48 AM



#96
1,2,3-Trichlorobenzene
Concen: 49.578 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN053692.D
Acq: 8 Feb 2019 19:59

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.2	47.9	143.8
145	29.8	14.7	44.1

