

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032519\
 Data File : VN054683.D
 Acq On : 25 Mar 2019 19:50
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 3/26/2019 12:33:15 PM

Quant Time: Mar 26 02:03:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:09:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	426805	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	720949	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	629569	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	272492	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	285793	53.83	ug/l	0.00
Spiked Amount			Recovery	=	107.66%	
35) Dibromofluoromethane	7.59	113	227369	48.95	ug/l	0.00
Spiked Amount			Recovery	=	97.90%	
50) Toluene-d8	10.09	98	842425	48.25	ug/l	0.00
Spiked Amount			Recovery	=	96.50%	
62) 4-Bromofluorobenzene	12.40	95	287315	48.36	ug/l	0.00
Spiked Amount			Recovery	=	96.72%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	215718	52.870	ug/l	98
3) Chloromethane	2.06	50	297807	53.646	ug/l	98
4) Vinyl Chloride	2.19	62	271888	48.782	ug/l	98
5) Bromomethane	2.57	94	155014	43.012	ug/l	97
6) Chloroethane	2.71	64	151134	45.209	ug/l	100
7) Trichlorofluoromethane	3.02	101	336082	49.653	ug/l	99
8) Diethyl Ether	3.41	74	114885	44.133	ug/l	68
9) 1,1,2-Trichlorotrifluoroet	3.75	101	176346	44.331	ug/l	93
10) Methyl Iodide	3.94	142	267421	45.701	ug/l #	88
11) Tert butyl alcohol	4.82	59	80023	248.979	ug/l	99
12) 1,1-Dichloroethene	3.73	96	172990	42.022	ug/l #	73
13) Acrolein	3.61	56	128912	290.642	ug/l	94
14) Allyl chloride	4.32	41	418840	54.030	ug/l #	92
15) Acrylonitrile	4.99	53	453008	283.030	ug/l	99
16) Acetone	3.82	43	313387	196.347	ug/l #	81
17) Carbon Disulfide	4.04	76	511829	46.402	ug/l	98
18) Methyl Acetate	4.33	43	202201	56.838	ug/l #	89
19) Methyl tert-butyl Ether	5.06	73	642316	53.463	ug/l	95
20) Methylene Chloride	4.55	84	247022	52.503	ug/l #	81
21) trans-1,2-Dichloroethene	5.03	96	224452	53.395	ug/l	86
22) Diisopropyl ether	5.96	45	888290	58.094	ug/l #	95
23) Vinyl Acetate	5.90	43	3180189	294.481	ug/l #	93
24) 1,1-Dichloroethane	5.85	63	467336	56.764	ug/l	97
25) 2-Butanone	6.84	43	553077	270.509	ug/l #	88
26) 2,2-Dichloropropane	6.82	77	302157	51.485	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	262248	52.304	ug/l	87
28) Bromochloromethane	7.19	49	229247	56.570	ug/l #	71
29) Tetrahydrofuran	7.22	42	374414	282.193	ug/l #	83
30) Chloroform	7.37	83	444814	55.362	ug/l	99
31) Cyclohexane	7.65	56	427063	54.294	ug/l	85
32) 1,1,1-Trichloroethane	7.57	97	370833	55.944	ug/l	95
36) 1,1-Dichloropropene	7.79	75	339161	50.314	ug/l	95
37) Ethyl Acetate	6.94	43	250653	52.280	ug/l	96
38) Carbon Tetrachloride	7.77	117	322441	49.223	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	363487	47.139	ug/l	89
40) Benzene	8.04	78	989828	51.350	ug/l	100
41) Methacrylonitrile	7.18	41	144367	49.375	ug/l	89
42) 1,2-Dichloroethane	8.12	62	359407	51.198	ug/l	96
43) Isopropyl Acetate	8.17	43	452751	55.916	ug/l #	93
44) Trichloroethene	8.83	130	257223	47.997	ug/l	92
45) 1,2-Dichloropropane	9.12	63	282404	54.560	ug/l	98
46) Dibromomethane	9.21	93	157646	51.053	ug/l	90
47) Bromodichloromethane	9.40	83	347654	54.249	ug/l	97
48) Methyl methacrylate	9.20	41	228060	51.894	ug/l #	86
49) 1,4-Dioxane	9.20	88	44842	912.704	ug/l #	83
51) 4-Methyl-2-Pentanone	9.99	43	1217636	271.345	ug/l	93
52) Toluene	10.16	92	595060	50.192	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	329698	48.825	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	395975	53.889	ug/l #	92
55) 1,1,2-Trichloroethane	10.56	97	219489	51.503	ug/l	96
56) Ethyl methacrylate	10.43	69	301367	52.686	ug/l #	83
57) 1,3-Dichloropropane	10.71	76	391233	52.811	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	539424	229.018	ug/l	90
59) 2-Hexanone	10.75	43	746702	254.750	ug/l	91
60) Dibromochloromethane	10.90	129	235143	51.853	ug/l	98
61) 1,2-Dibromoethane	11.01	107	217081	51.524	ug/l	99
64) Tetrachloroethene	10.63	164	243831	46.693	ug/l	97
65) Chlorobenzene	11.43	112	625429	48.844	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	239405	52.090	ug/l	99
67) Ethyl Benzene	11.51	91	1129455	49.935	ug/l	97
68) m/p-Xylenes	11.62	106	831492	97.053	ug/l	94
69) o-Xylene	11.95	106	411640	49.199	ug/l	97
70) Styrene	11.96	104	688616	50.681	ug/l	97
71) Bromoform	12.13	173	145588	46.127	ug/l #	100
73) Isopropylbenzene	12.25	105	1076057	49.005	ug/l	99
74) N-amyl acetate	12.07	43	357130	56.564	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.50	83	268052	53.477	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	239792m	55.456	ug/l	
77) Bromobenzene	12.53	156	266595	48.954	ug/l	85
78) n-propylbenzene	12.59	91	1200724	50.429	ug/l	96
79) 2-Chlorotoluene	12.67	91	732816	49.355	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	884950	49.174	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	57585	46.169	ug/l #	81
82) 4-Chlorotoluene	12.77	91	722732	50.216	ug/l	96
83) tert-Butylbenzene	12.99	119	757184	48.336	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	870663	49.306	ug/l	98
85) sec-Butylbenzene	13.17	105	962740	49.301	ug/l	97
86) p-Isopropyltoluene	13.29	119	860287	49.242	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	445767	49.394	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	433359	49.354	ug/l	98
89) n-Butylbenzene	13.61	91	692983	50.728	ug/l	98
90) Hexachloroethane	13.87	117	148064	54.599	ug/l	88
91) 1,2-Dichlorobenzene	13.65	146	441433	50.500	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	39800	54.134	ug/l	81

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	218760	50.202	ug/l	99
94) Hexachlorobutadiene	15.01	225	135325	55.549	ug/l	99
95) Naphthalene	15.13	128	487757	50.182	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	215974	49.798	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN054683.D

Acq: 25 Mar 2019 19:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 426805

Ion Ratio Lower Upper

168 100

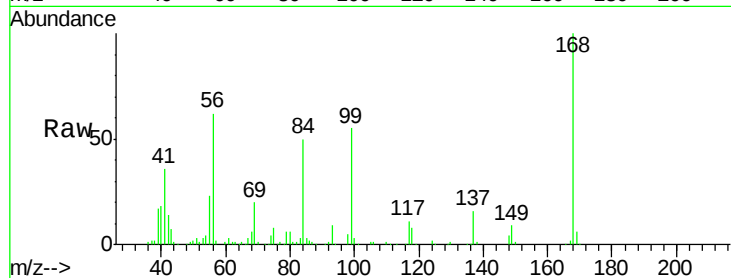
99 54.1 37.1 55.7

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

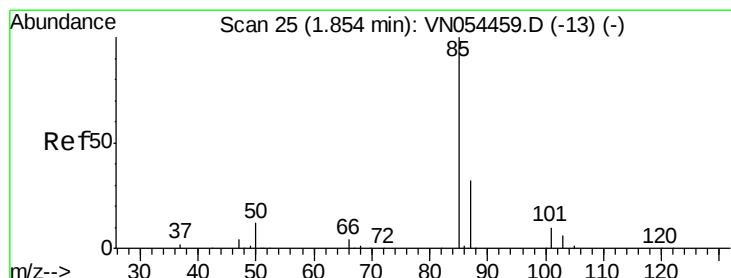
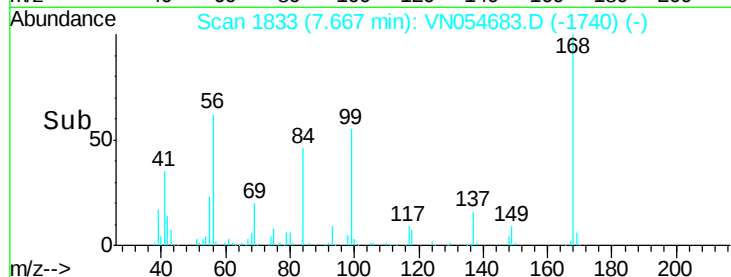
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 52.870 ug/l

RT: 1.85 min Scan# 25

Delta R.T. -0.00 min

Lab File: VN054683.D

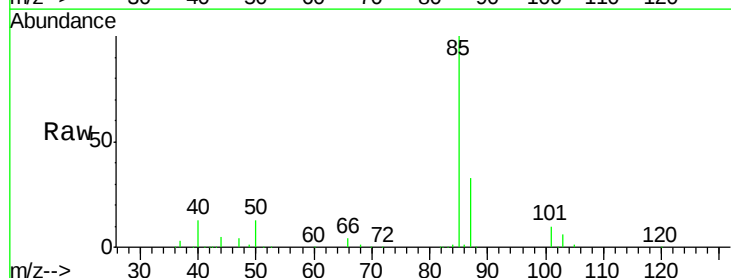
Acq: 25 Mar 2019 19:50

Tgt Ion: 85 Resp: 215718

Ion Ratio Lower Upper

85 100

87 33.1 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

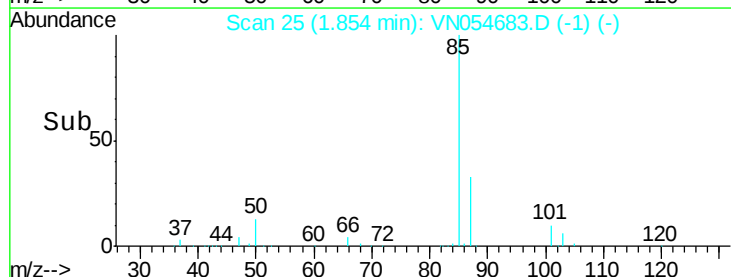
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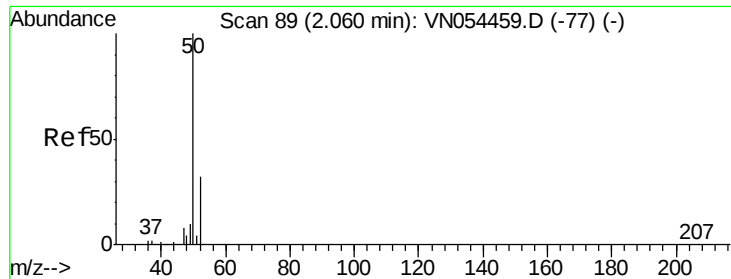
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50000

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Time-->





#3

Chloromethane

Concen: 53.646 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN054683.D

Acq: 25 Mar 2019 19:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 297807

Ion Ratio Lower Upper

50 100

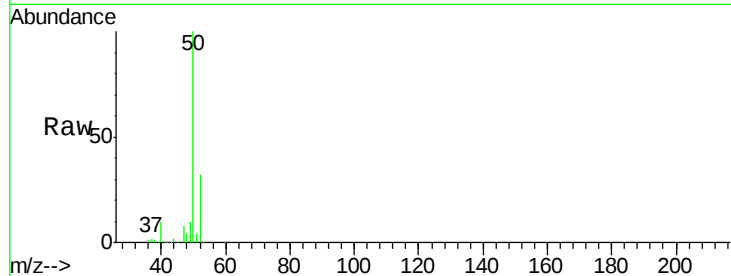
52 31.7 26.4 39.6

Manual Integrations

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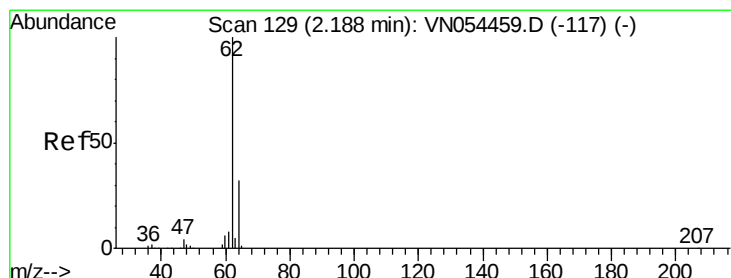
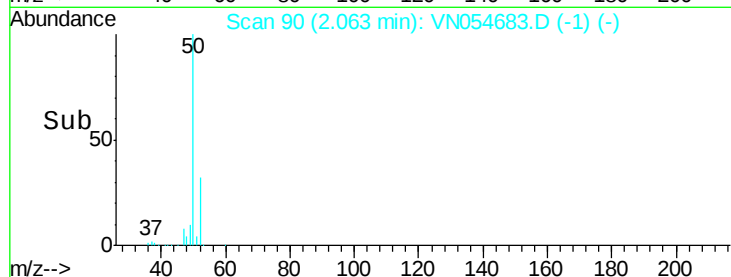
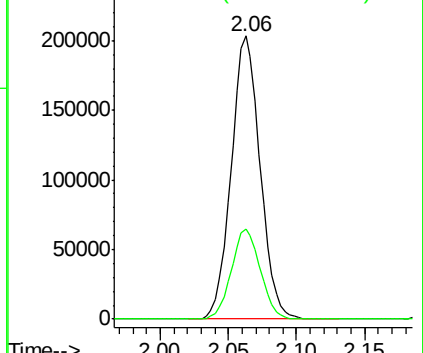
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 48.782 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN054683.D

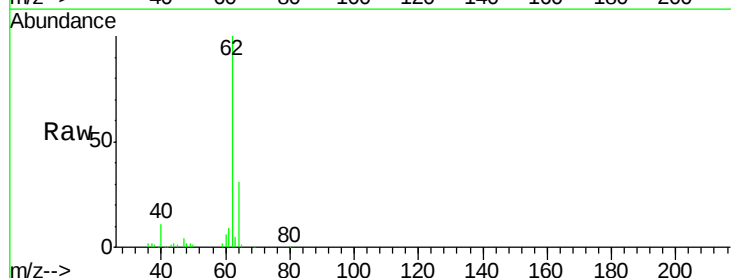
Acq: 25 Mar 2019 19:50

Tgt Ion: 62 Resp: 271888

Ion Ratio Lower Upper

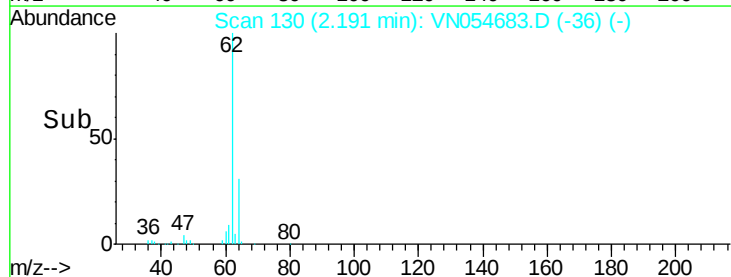
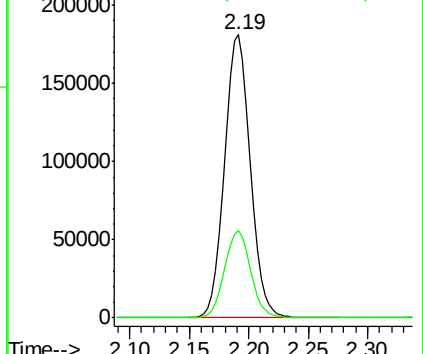
62 100

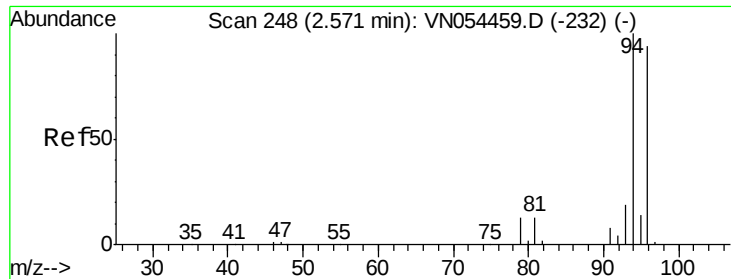
64 30.7 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 43.012 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.00 min

Lab File: VN054683.D

Acq: 25 Mar 2019 19:50

Instrument :

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ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 155014

Ion Ratio Lower Upper

94 100

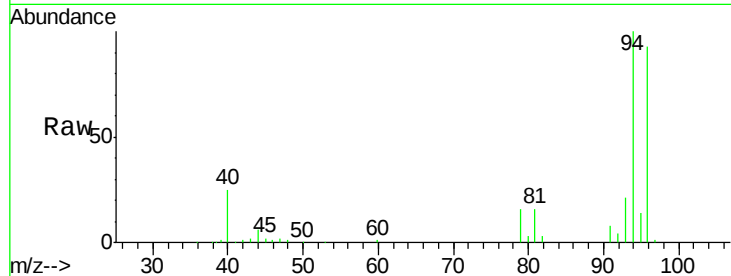
96 92.9 77.0 115.4

Manual Integrations

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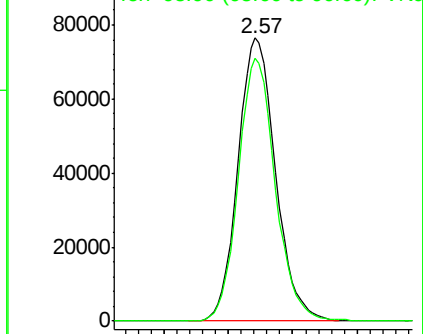
MMDadoda

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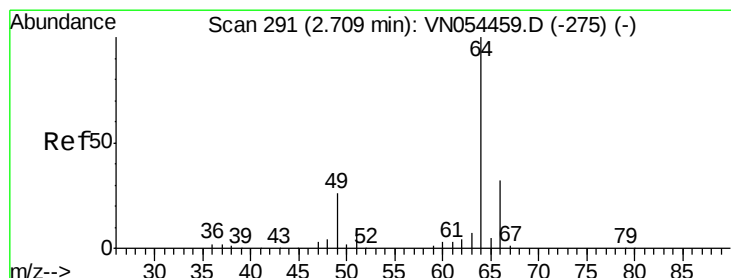
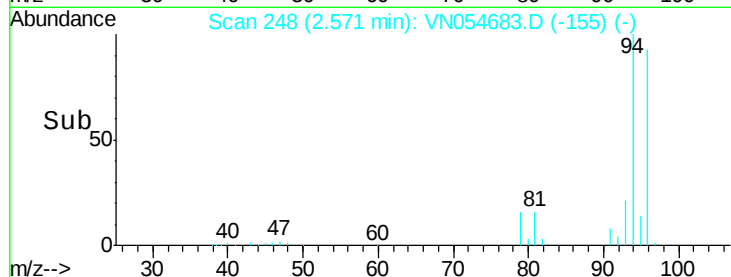


Abundance Ion 93.90 (93.60 to 94.60): VNC

Ion 95.90 (95.60 to 96.60): VNC



Time-->



#6

Chloroethane

Concen: 45.209 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN054683.D

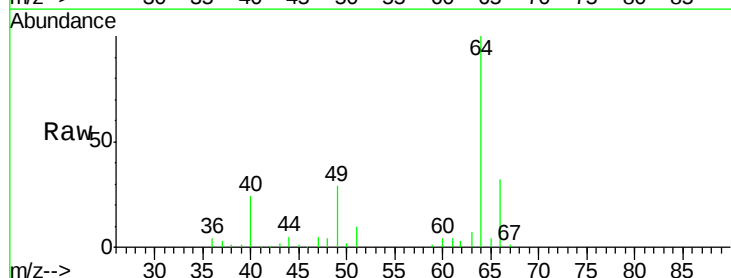
Acq: 25 Mar 2019 19:50

Tgt Ion: 64 Resp: 151134

Ion Ratio Lower Upper

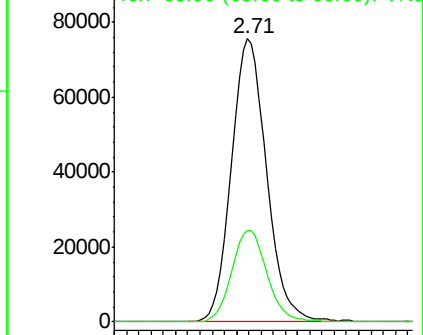
64 100

66 32.2 25.7 38.5

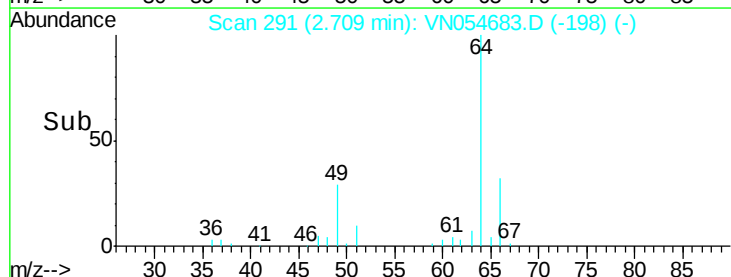


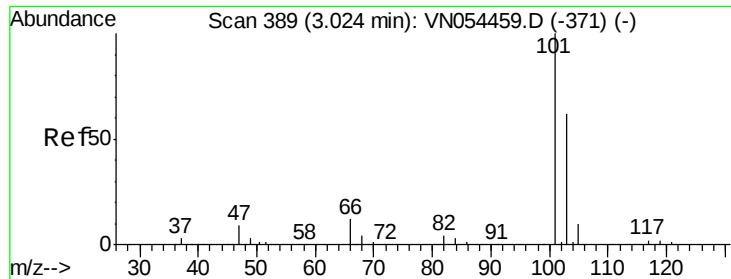
Abundance Ion 63.90 (63.60 to 64.60): VNC

Ion 65.90 (65.60 to 66.60): VNC



Time-->





#7

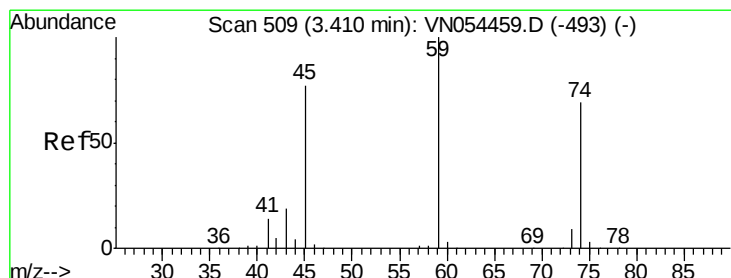
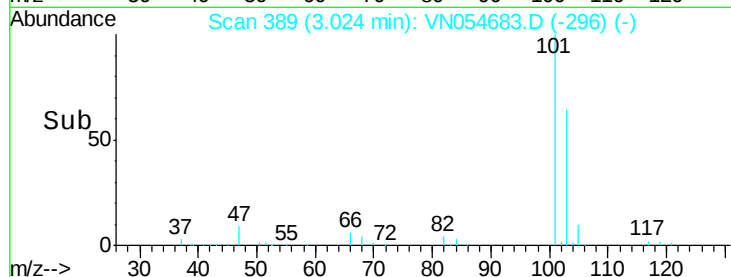
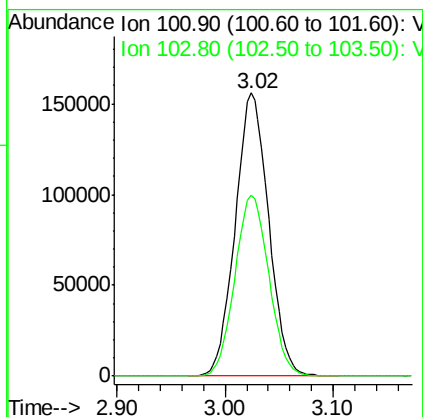
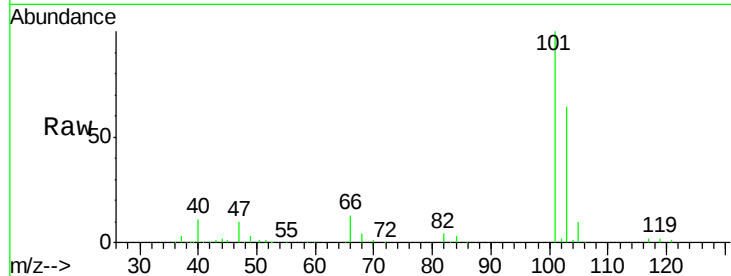
Trichlorofluoromethane
Concen: 49.653 ug/l
RT: 3.02 min Scan# 389
Delta R.T. -0.00 min
Lab File: VN054683.D
Acq: 25 Mar 2019 19:50

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Tot Ion:101 Resp: 336082
Ion Ratio Lower Upper
101 100
103 63.8 51.4 77.2

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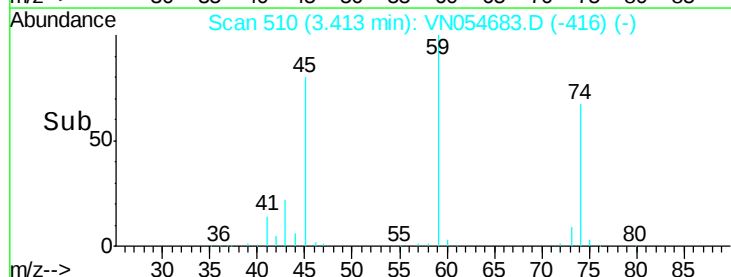
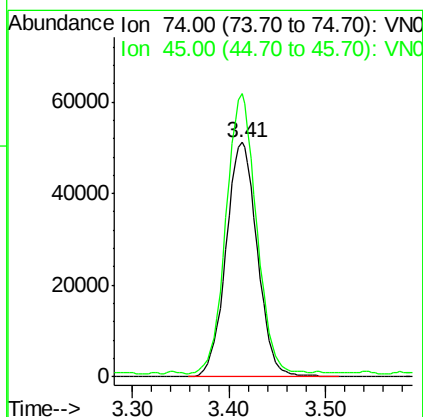
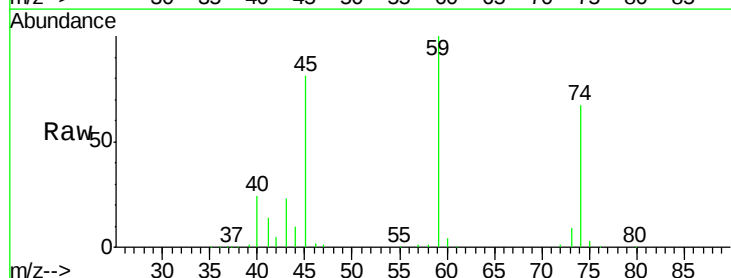
MMDadoda
3/26/2019 12:33:15 PM

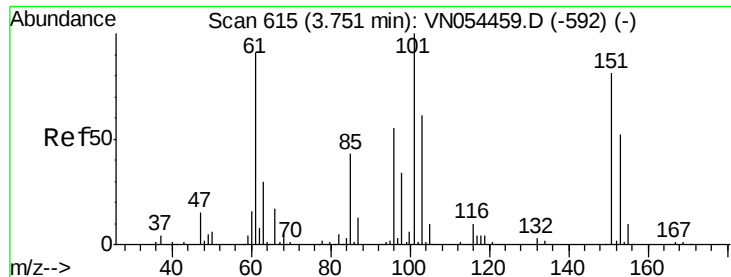


#8

Diethyl Ether
Concen: 44.133 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN054683.D
Acq: 25 Mar 2019 19:50

Tgt Ion: 74 Resp: 114885
Ion Ratio Lower Upper
74 100
45 115.3 43.1 129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.331 ug/l

RT: 3.75 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN054683.D

Acq: 25 Mar 2019 19:50

Instrument :

MSVOA_N

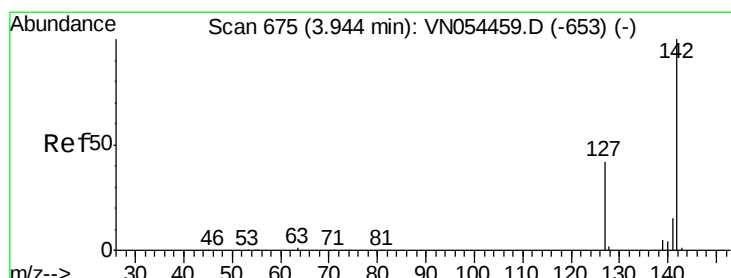
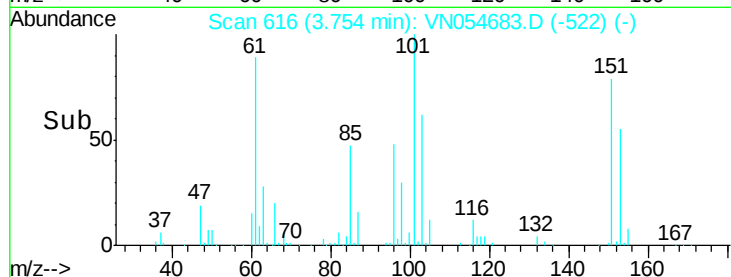
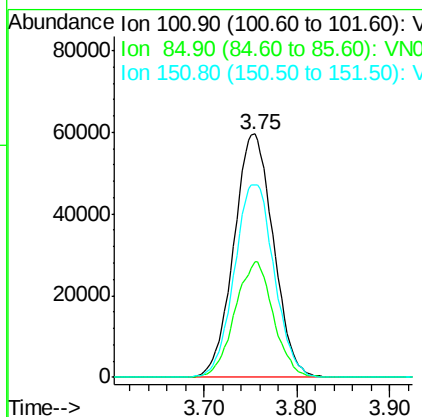
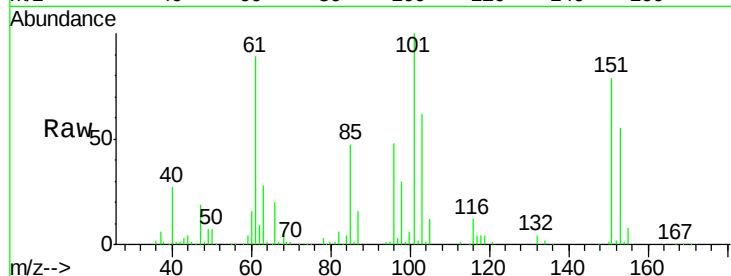
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	176346
Ion Ratio	Lower	Upper	
101	100		
85	46.2	32.4	48.6
151	79.9	68.2	102.2

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#10

Methyl Iodide

Concen: 45.701 ug/l

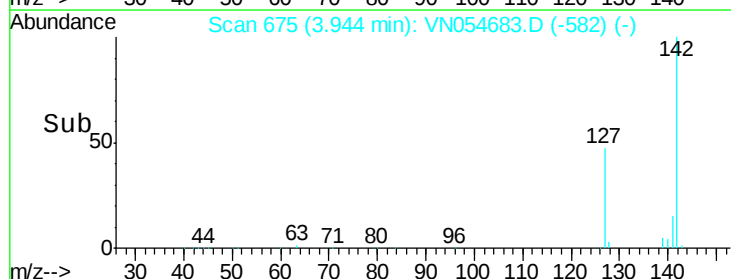
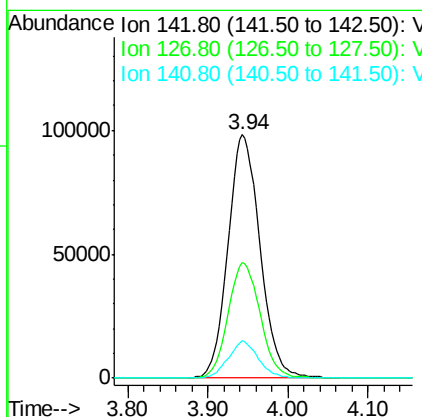
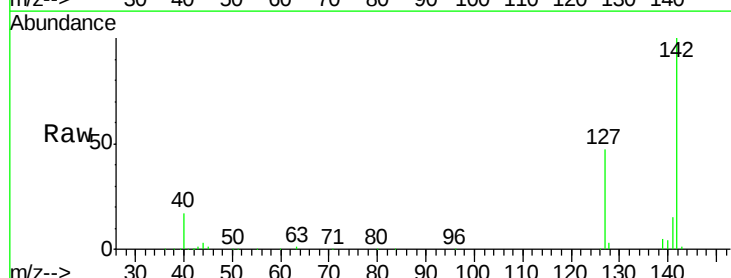
RT: 3.94 min Scan# 675

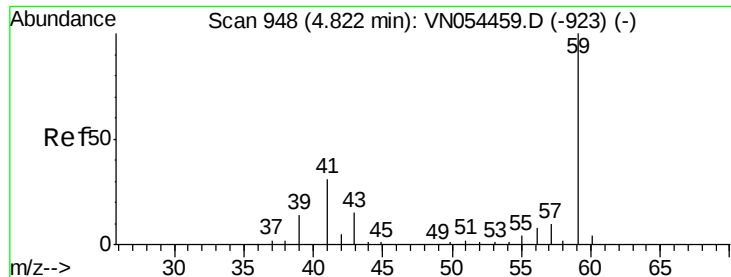
Delta R.T. 0.00 min

Lab File: VN054683.D

Acq: 25 Mar 2019 19:50

Tgt Ion:	142	Resp:	267421
Ion Ratio	Lower	Upper	
142	100		
127	47.4	30.3	45.5#
141	14.4	11.2	16.8





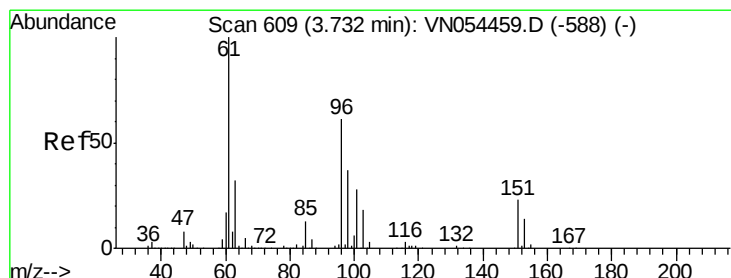
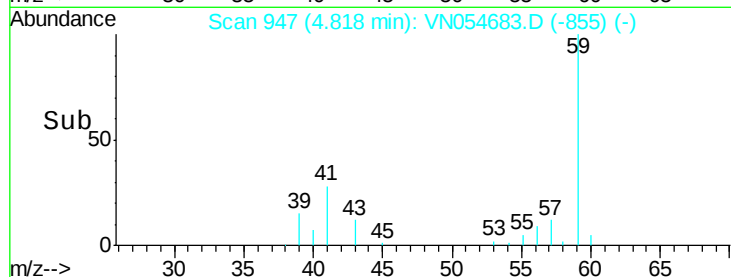
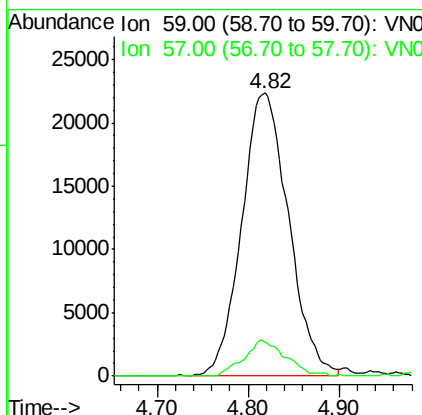
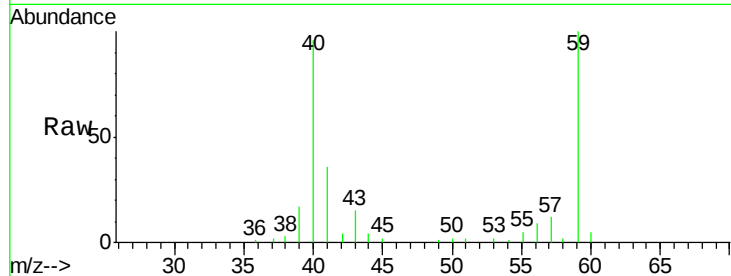
#11
Tert butyl alcohol
Concen: 248.979 ug/l
RT: 4.82 min Scan# 947
Delta R.T. -0.00 min
Lab File: VN054683.D
Acq: 25 Mar 2019 19:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 59 Resp: 80023
Ion Ratio Lower Upper
59 100
57 11.0 9.0 13.6

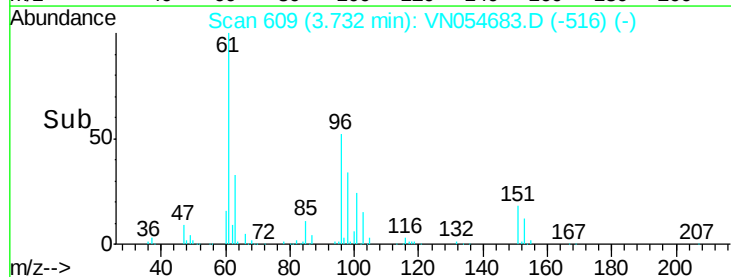
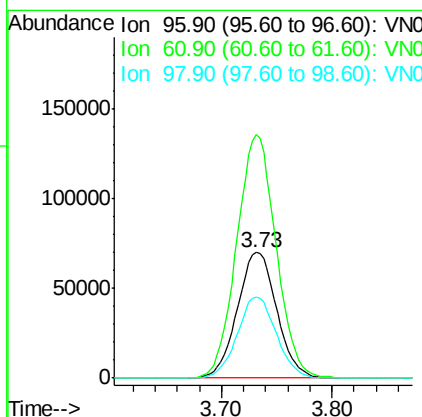
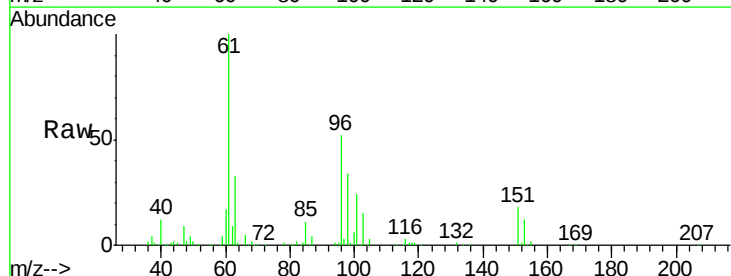
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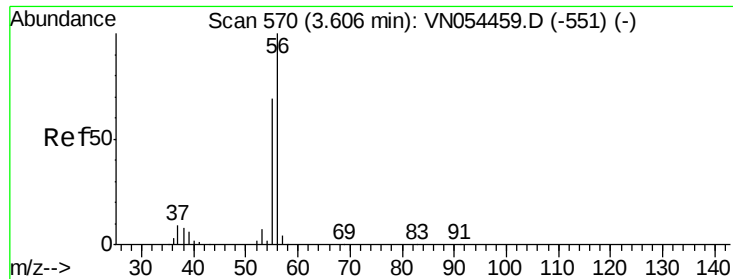
MMDadoda
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#12
1,1-Dichloroethene
Concen: 42.022 ug/l
RT: 3.73 min Scan# 609
Delta R.T. 0.00 min
Lab File: VN054683.D
Acq: 25 Mar 2019 19:50

Tgt Ion: 96 Resp: 172990
Ion Ratio Lower Upper
96 100
61 193.3 116.5 174.7#
98 64.9 51.0 76.4





#13

Acrolein

Concen: 290.642 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN054683.D

Acq: 25 Mar 2019 19:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 128912

Ion Ratio Lower Upper

56 100

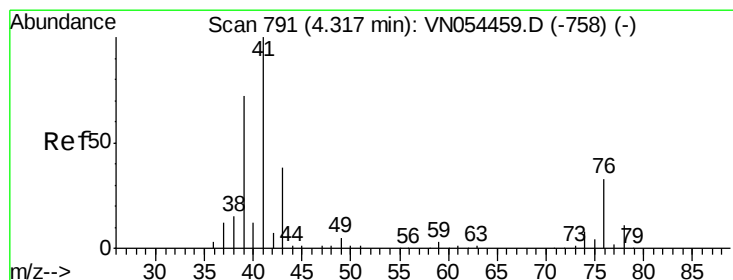
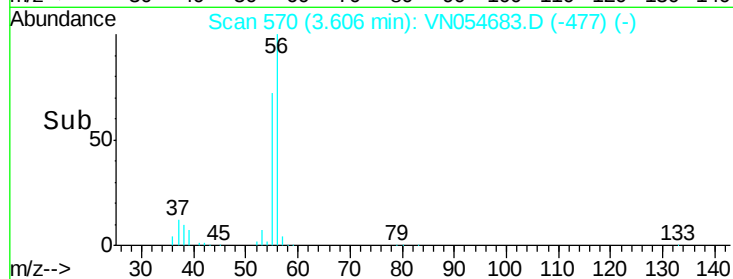
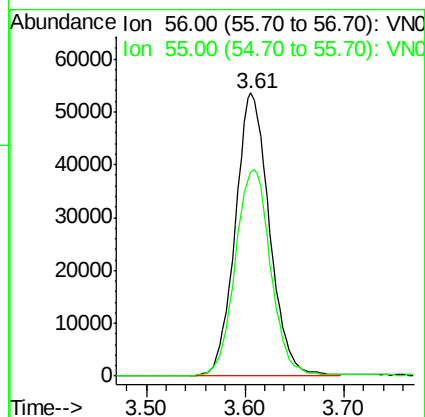
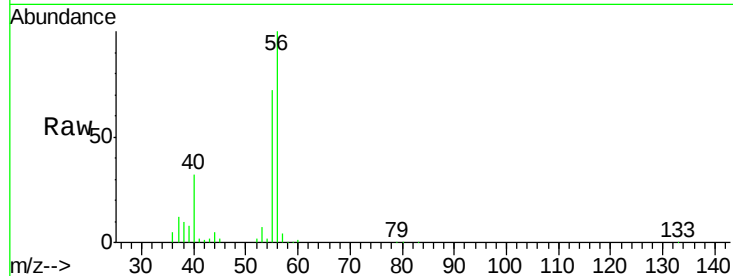
55 75.7 56.7 85.1

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#14

Allyl chloride

Concen: 54.030 ug/l

RT: 4.32 min Scan# 791

Delta R.T. 0.00 min

Lab File: VN054683.D

Acq: 25 Mar 2019 19:50

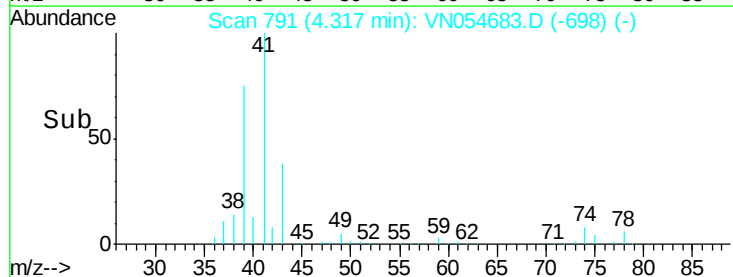
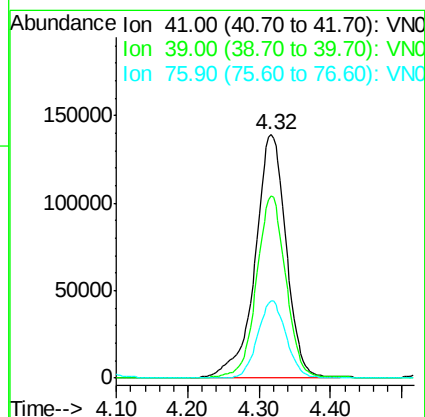
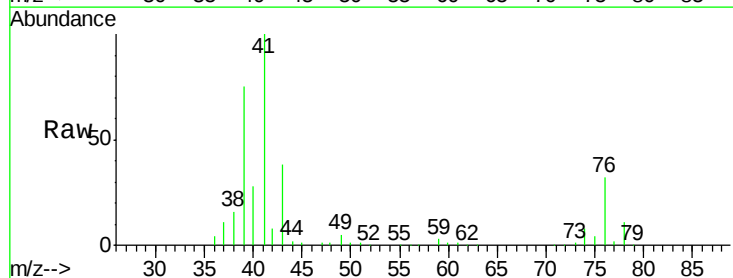
Tgt Ion: 41 Resp: 418840

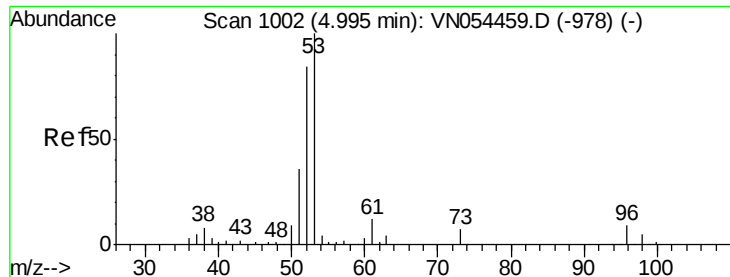
Ion Ratio Lower Upper

41 100

39 70.4 58.2 87.4

76 29.3 31.7 47.5#





#15

Acrylonitrile

Concen: 283.030 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VN054683.D

Acq: 25 Mar 2019 19:50

Instrument :

MSVOA_N

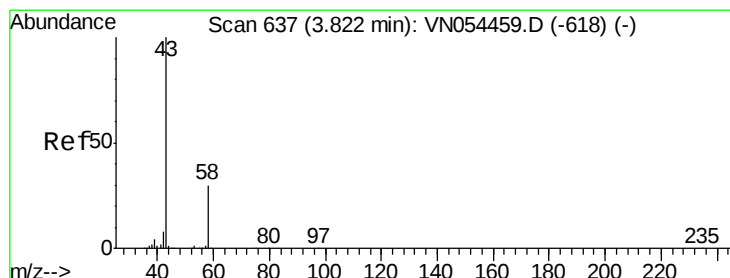
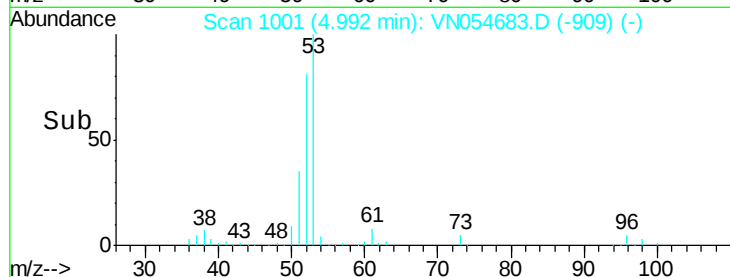
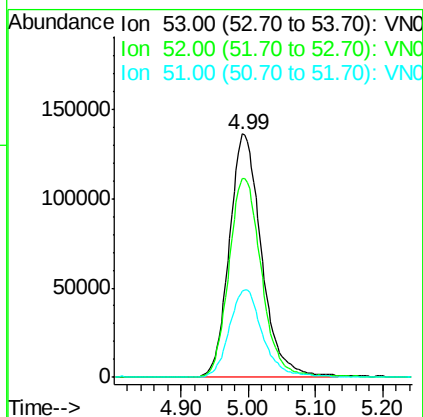
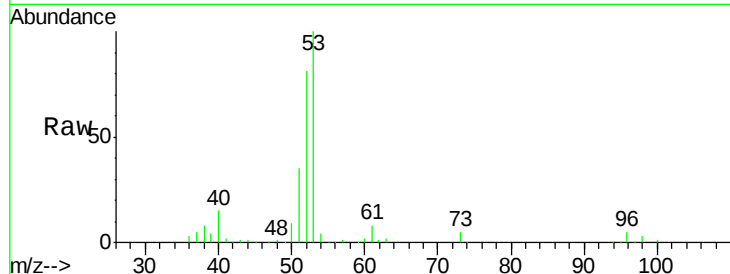
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	453008
Ion Ratio	Lower	Upper	
53	100		
52	82.4	66.4	99.6
51	37.5	29.6	44.4

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#16

Acetone

Concen: 196.347 ug/l

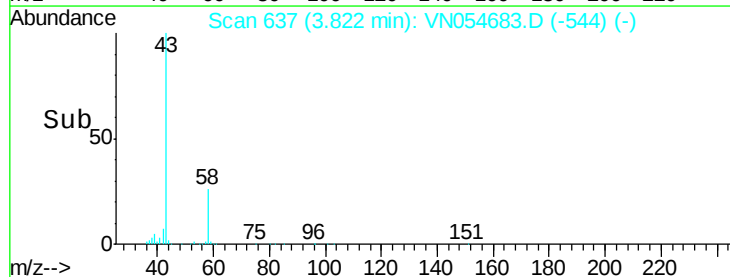
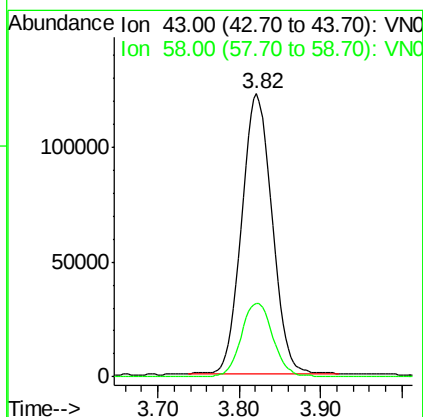
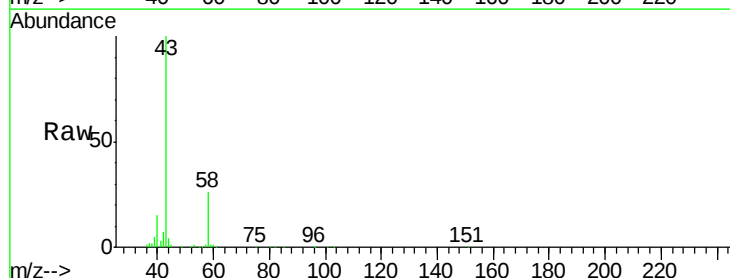
RT: 3.82 min Scan# 637

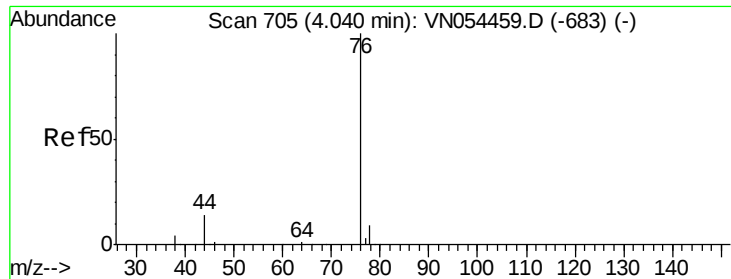
Delta R.T. -0.00 min

Lab File: VN054683.D

Acq: 25 Mar 2019 19:50

Tgt Ion:	43	Resp:	313387
Ion Ratio	Lower	Upper	
43	100		
58	26.3	29.9	44.9#





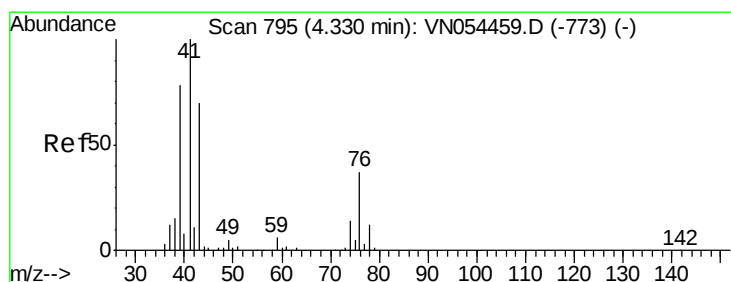
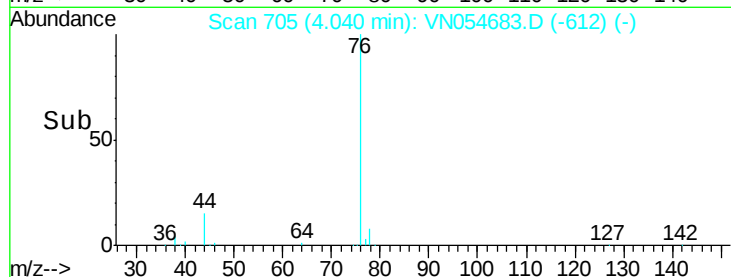
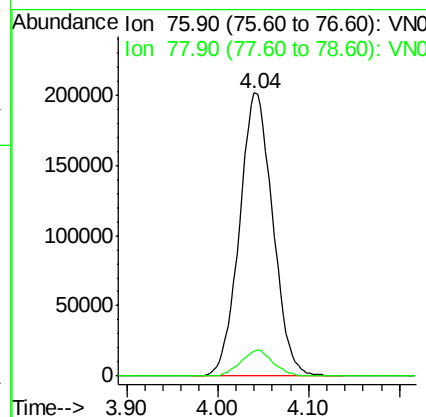
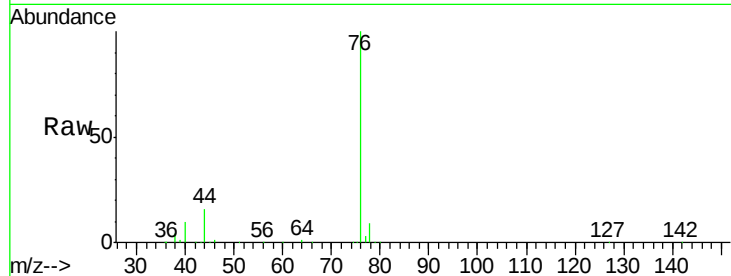
#17
 Carbon Disulfide
 Concen: 46.402 ug/l
 RT: 4.04 min Scan# 705
 Delta R.T. 0.00 min
 Lab File: VN054683.D
 Acq: 25 Mar 2019 19:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.5	11.3

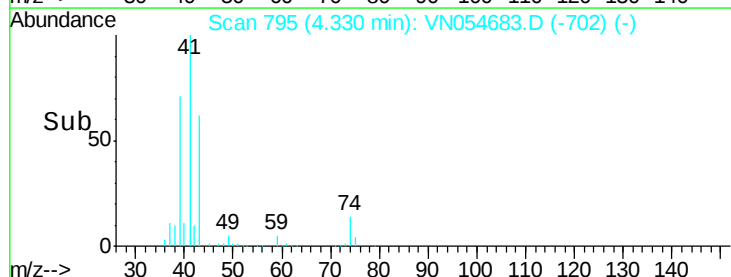
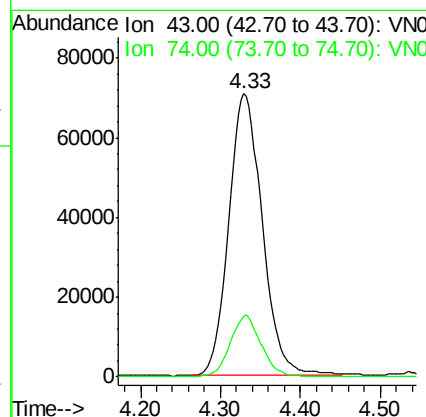
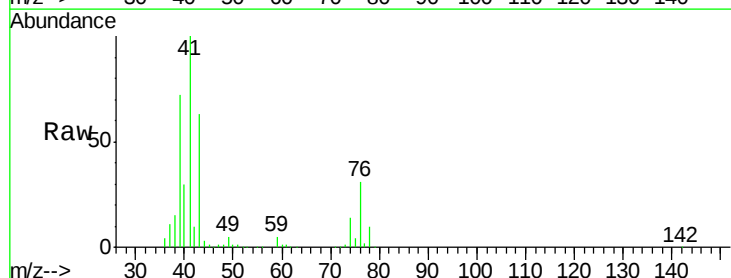
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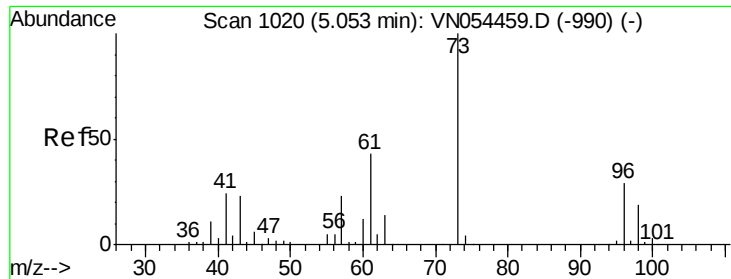
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#18
 Methyl Acetate
 Concen: 56.838 ug/l
 RT: 4.33 min Scan# 795
 Delta R.T. -0.00 min
 Lab File: VN054683.D
 Acq: 25 Mar 2019 19:50

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.2	20.8	31.2#





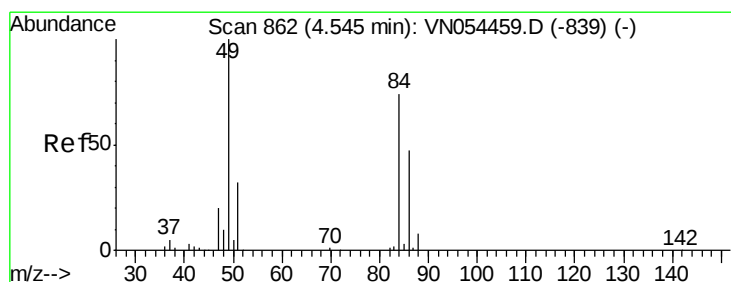
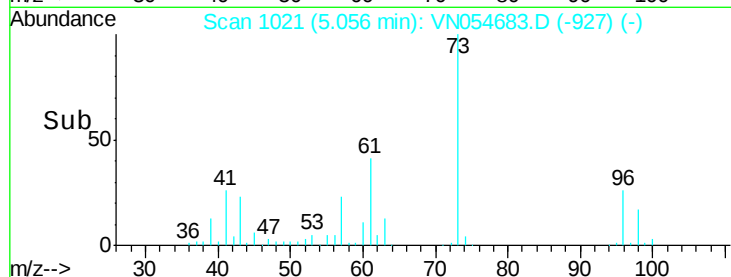
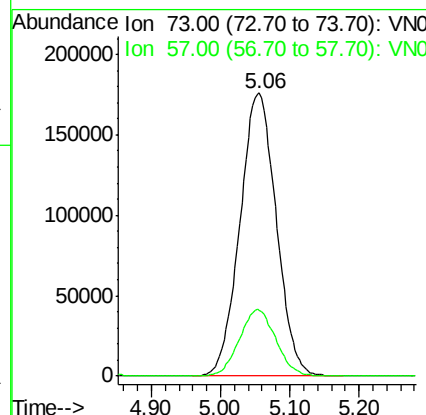
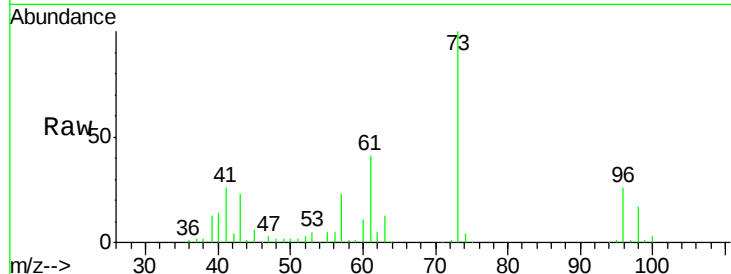
#19
Methvl tert-butvl Ether
Concen: 53.463 ug/l
RT: 5.06 min Scan# 1021
Delta R.T. 0.00 min
Lab File: VN054683.D
Acq: 25 Mar 2019 19:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 642316
Ion Ratio Lower Upper
73 100
57 23.2 16.8 25.2

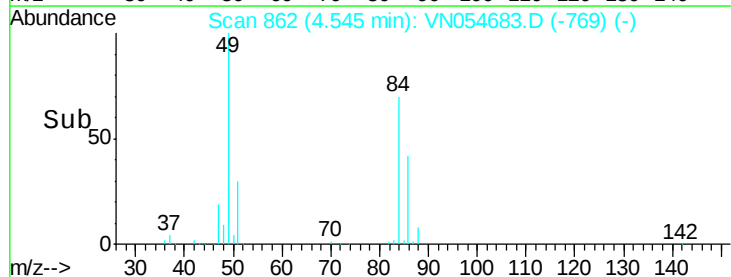
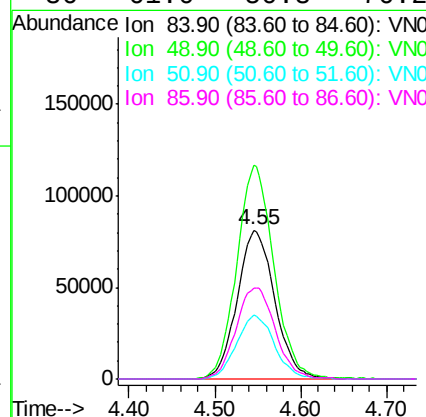
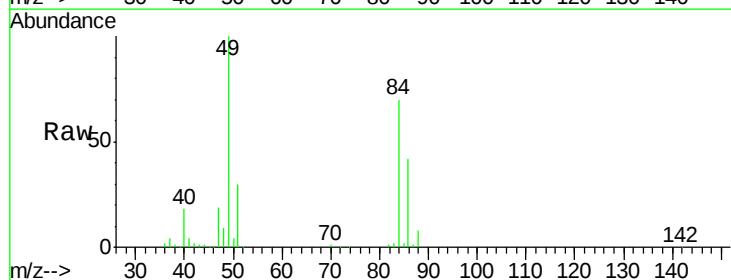
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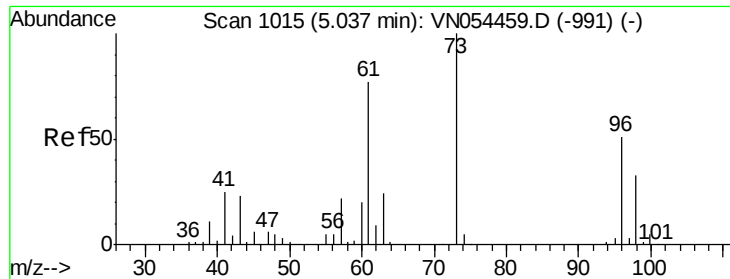
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#20
Methylene Chloride
Concen: 52.503 ug/l
RT: 4.55 min Scan# 862
Delta R.T. 0.00 min
Lab File: VN054683.D
Acq: 25 Mar 2019 19:50

Tgt Ion: 84 Resp: 247022
Ion Ratio Lower Upper
84 100
49 143.4 89.7 134.5#
51 42.7 28.2 42.4#
86 61.0 50.8 76.2





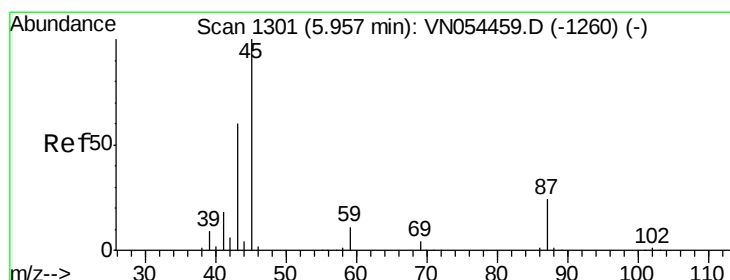
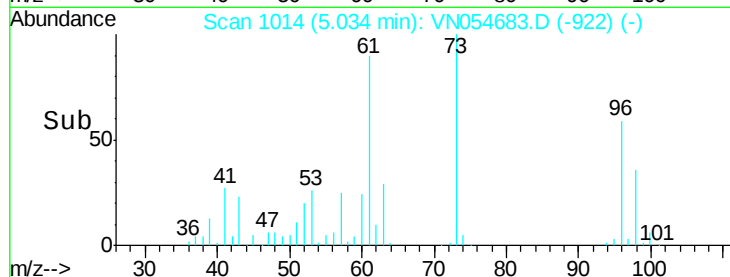
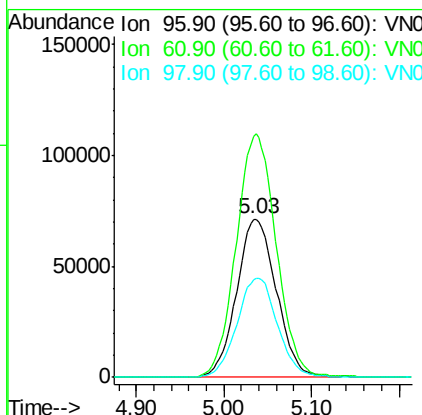
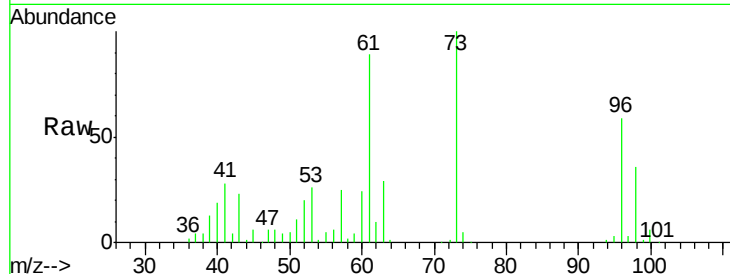
#21
trans-1,2-Dichloroethene
Concen: 53.395 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. -0.00 min
Lab File: VN054683.D
Acq: 25 Mar 2019 19:50

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	152.3	102.8	154.2
98	61.9	50.0	75.0

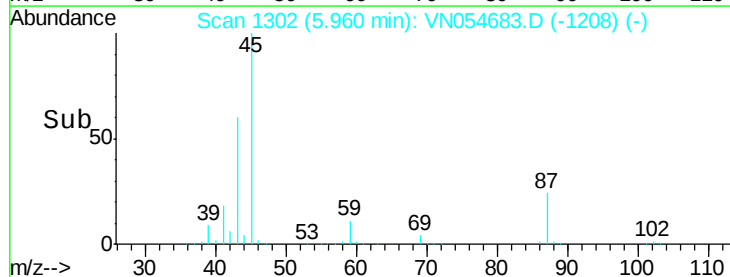
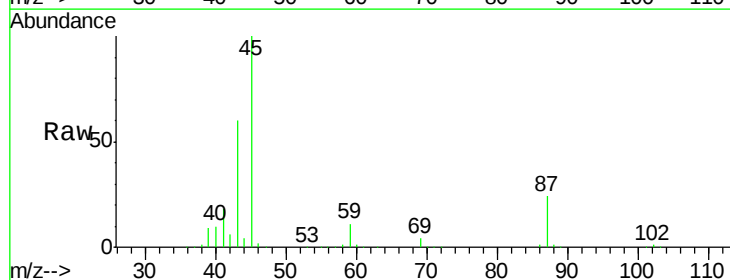
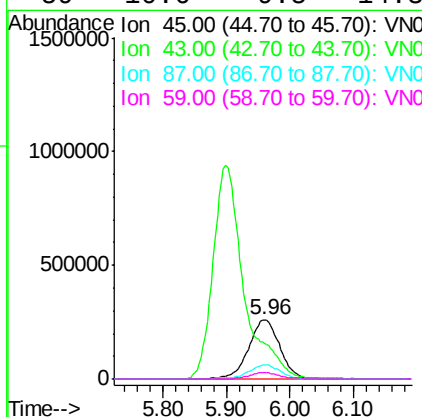
Manual Integrations
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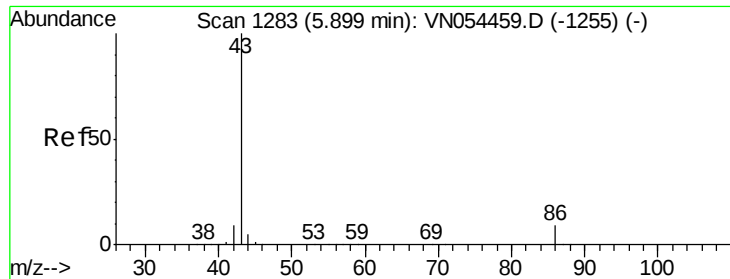
MMDadoda
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#22
Diisopropyl ether
Concen: 58.094 ug/l
RT: 5.96 min Scan# 1302
Delta R.T. 0.00 min
Lab File: VN054683.D
Acq: 25 Mar 2019 19:50

Tgt Ion	Ratio	Lower	Upper
45	100		
43	59.2	48.2	72.2
87	23.7	24.9	37.3#
59	10.6	9.5	14.3





#23

Vinyl Acetate

Concen: 294.481 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VN054683.D

Acq: 25 Mar 2019 19:50

Instrument :

MSVOA_N

ClientSampleID :

VSTDCCC050EC

Tot Ion: 43 Resp: 3180189

Ion Ratio Lower Upper

43 100

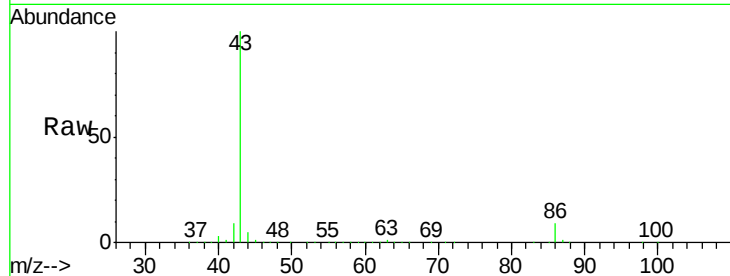
86 8.6 9.1 13.7#

Manual Integrations

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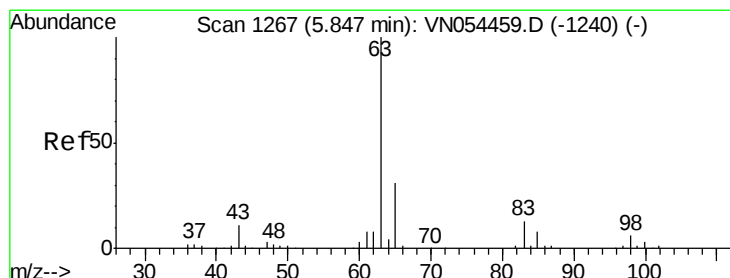
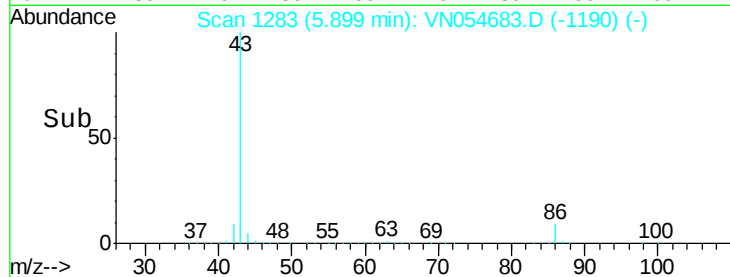
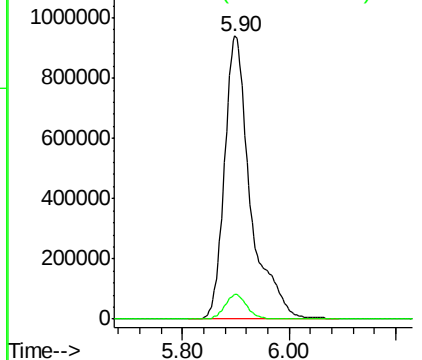
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 56.764 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN054683.D

Acq: 25 Mar 2019 19:50

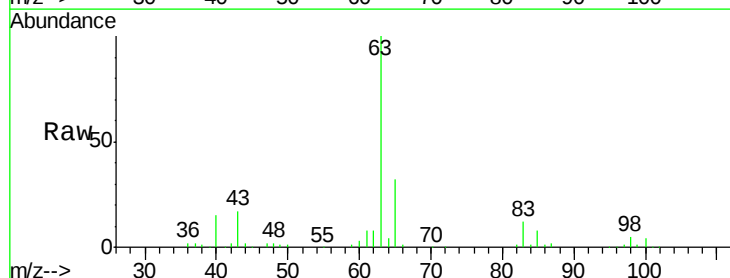
Tgt Ion: 63 Resp: 467336

Ion Ratio Lower Upper

63 100

98 5.4 3.5 10.5

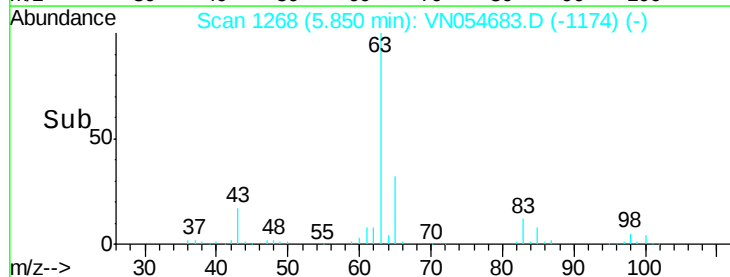
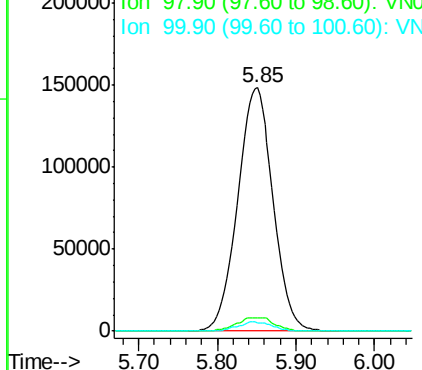
100 3.5 2.0 6.0

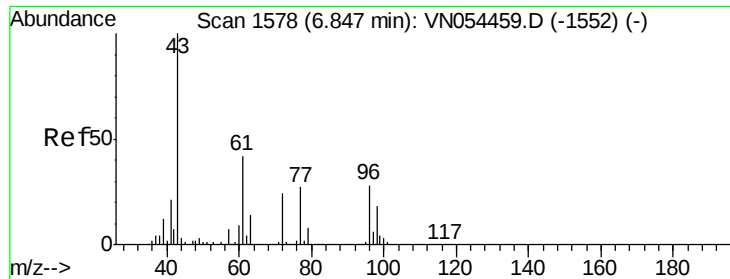


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





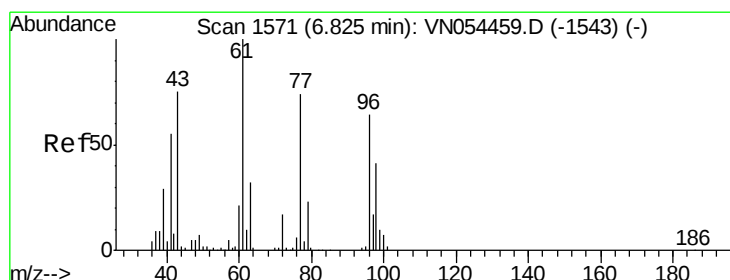
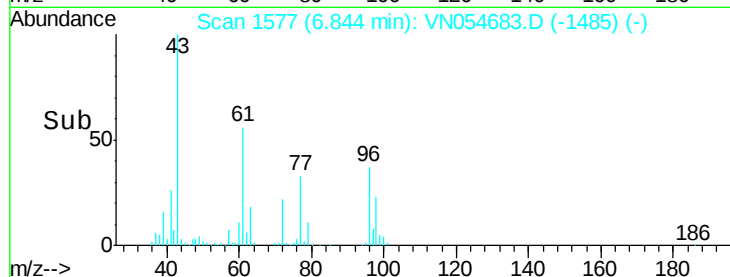
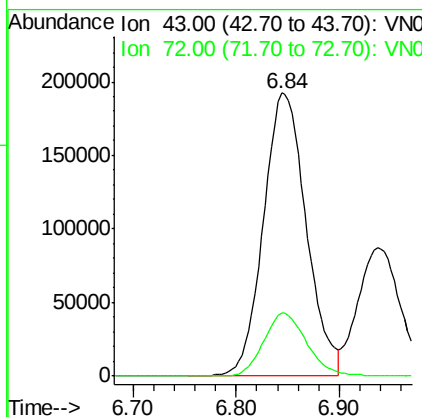
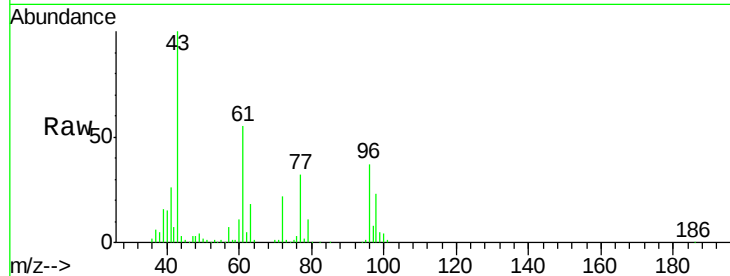
#25
2-Butanone
Concen: 270.509 ug/l
RT: 6.84 min Scan# 1577
Delta R.T. -0.00 min
Lab File: VN054683.D
Acq: 25 Mar 2019 19:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 553077
Ion Ratio Lower Upper
43 100
72 22.2 23.0 34.6#

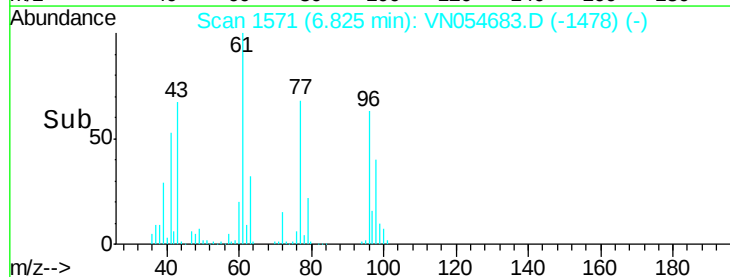
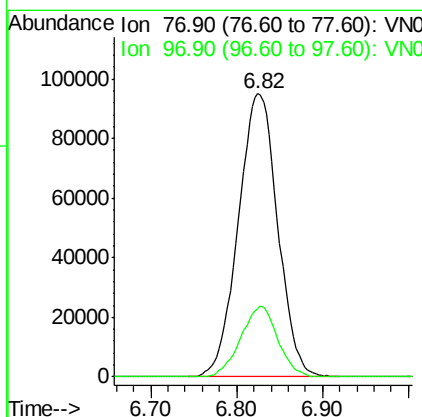
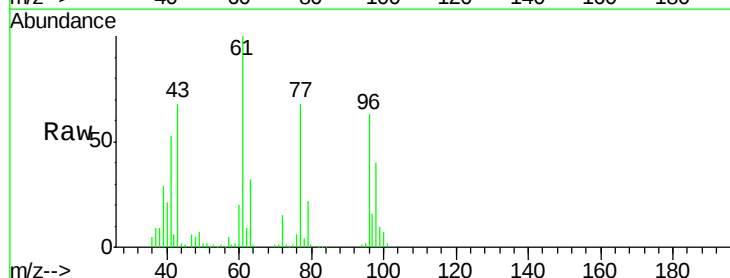
Manual Integrations
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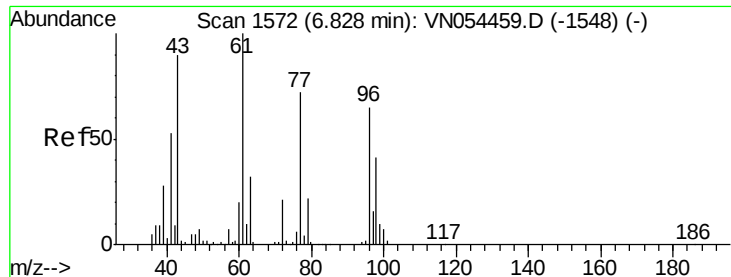
MMDadoda
3/26/2019 12:33:15 PM



#26
2,2-Dichloropropane
Concen: 51.485 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. 0.00 min
Lab File: VN054683.D
Acq: 25 Mar 2019 19:50

Tgt Ion: 77 Resp: 302157
Ion Ratio Lower Upper
77 100
97 23.6 11.9 35.9





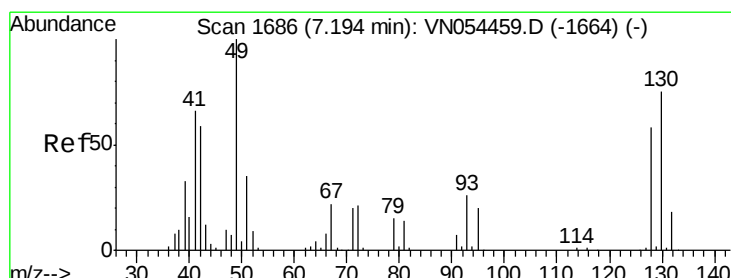
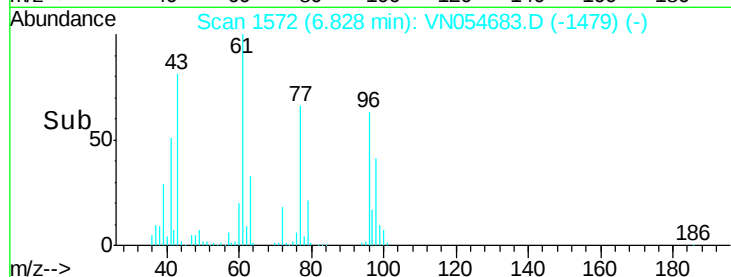
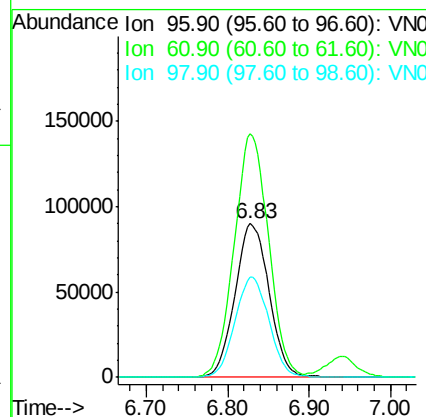
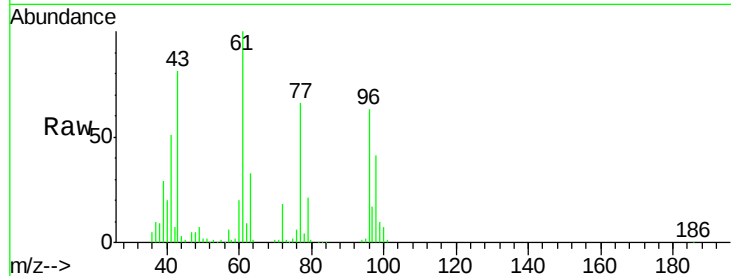
#27
 cis-1,2-Dichloroethene
 Concen: 52.304 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VN054683.D
 Acq: 25 Mar 2019 19:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	262248		
61	159.5	0.0	273.0	
98	65.1	0.0	130.6	

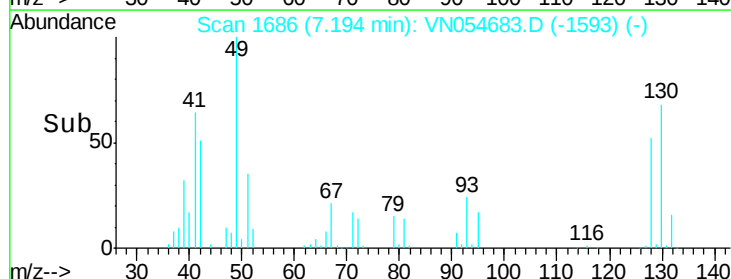
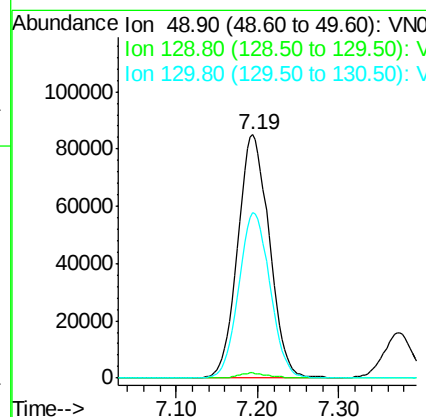
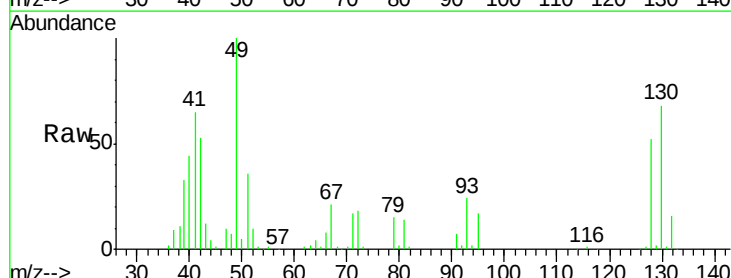
Manual Integrations
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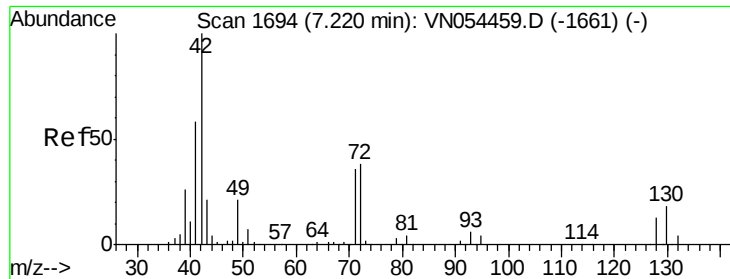
MMDadoda
 3/26/2019 12:33:15 PM



#28
 Bromochloromethane
 Concen: 56.570 ug/l
 RT: 7.19 min Scan# 1686
 Delta R.T. 0.00 min
 Lab File: VN054683.D
 Acq: 25 Mar 2019 19:50

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	229247		
129	2.0	0.0	4.6	
130	67.0	76.7	115.1#	





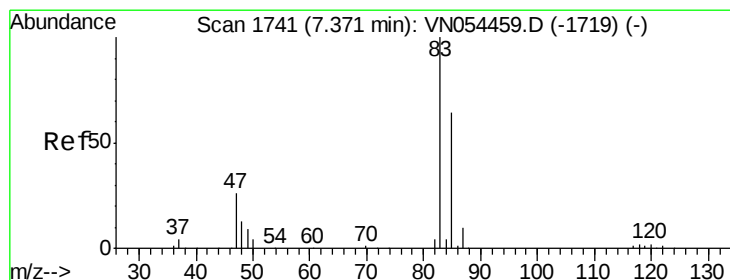
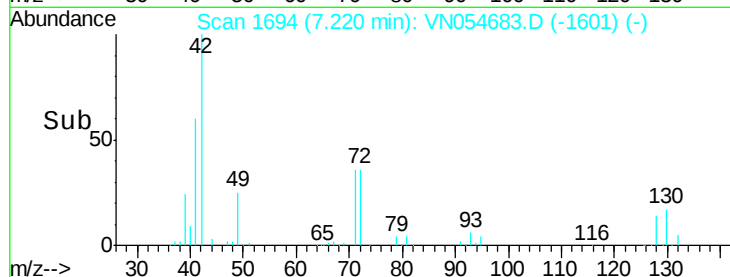
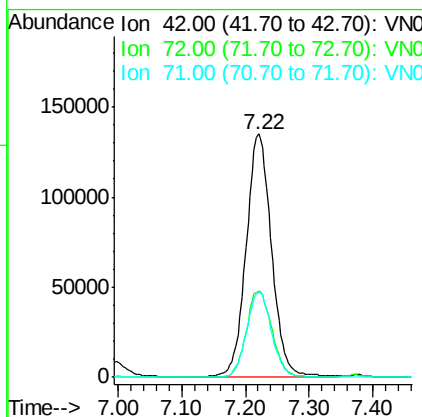
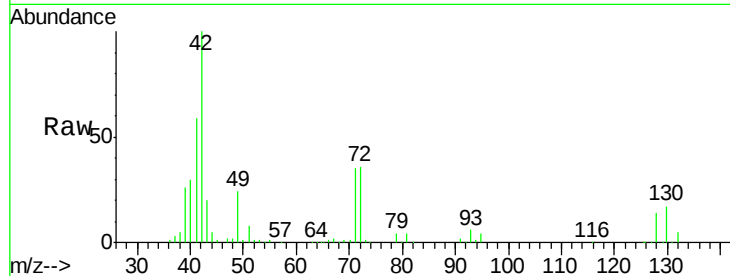
#29
Tetrahydrofuran
Concen: 282.193 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.00 min
Lab File: VN054683.D
Acq: 25 Mar 2019 19:50

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	35.8	37.8	56.6#
71	34.5	36.2	54.2#

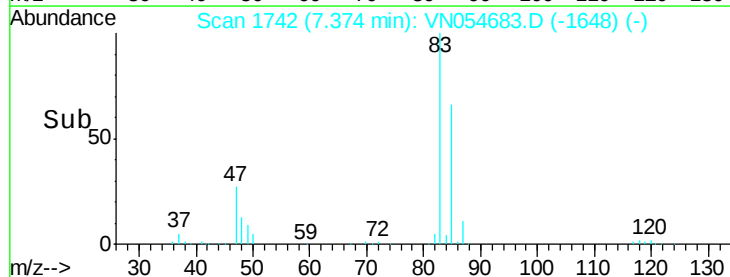
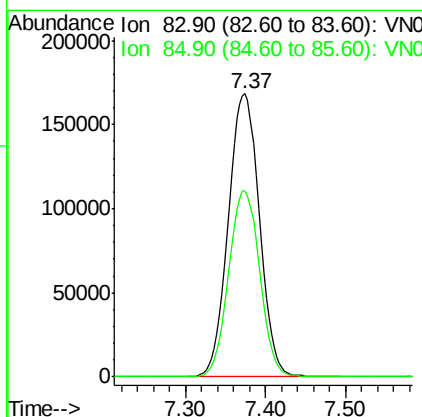
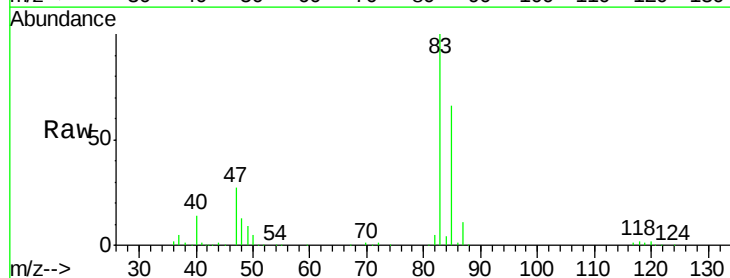
Manual Integrations
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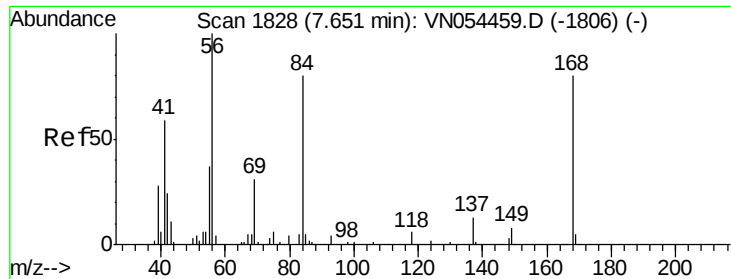
MMDadoda
3/26/2019 12:33:15 PM



#30
Chloroform
Concen: 55.362 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN054683.D
Acq: 25 Mar 2019 19:50

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.9	52.2	78.4





#31

Cyclohexane

Concen: 54.294 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN054683.D

Acq: 25 Mar 2019 19:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 427063

Ion Ratio Lower Upper

56 100

69 30.2 27.8 41.6

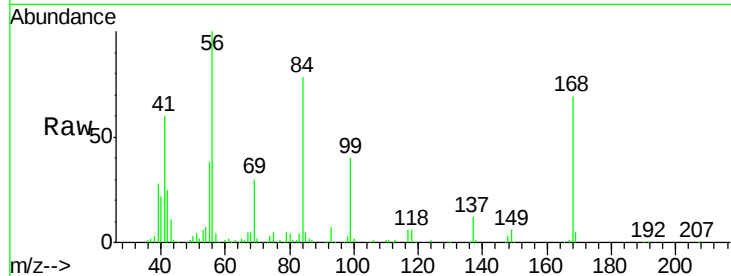
84 76.7 74.6 111.8

Manual Integrations

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MMDadoda

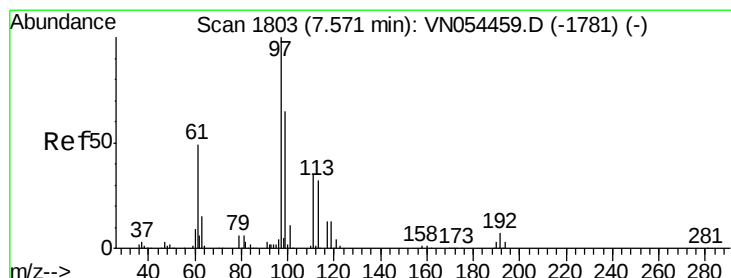
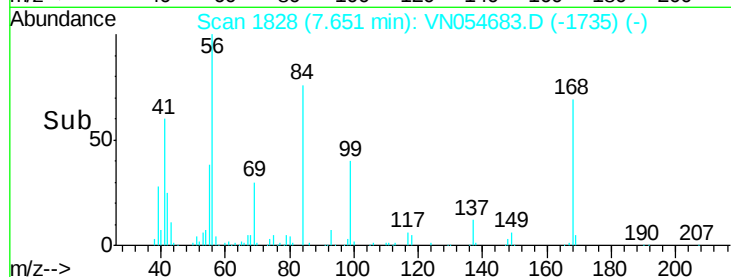
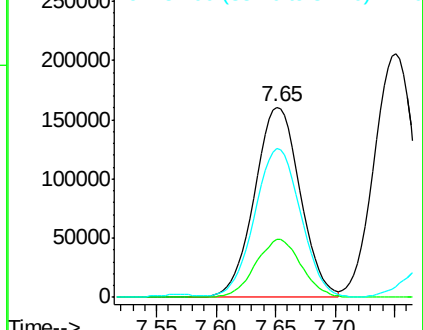
3/26/2019 12:33:15 PM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 55.944 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VN054683.D

Acq: 25 Mar 2019 19:50

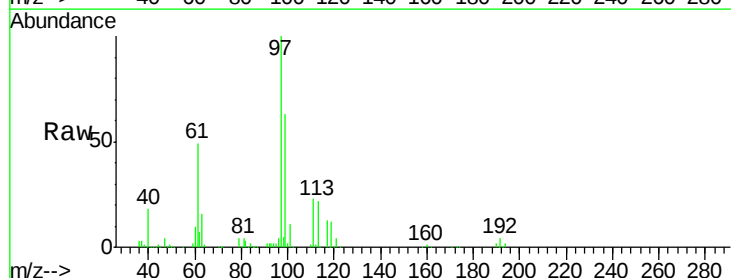
Tgt Ion: 97 Resp: 370833

Ion Ratio Lower Upper

97 100

99 63.8 51.5 77.3

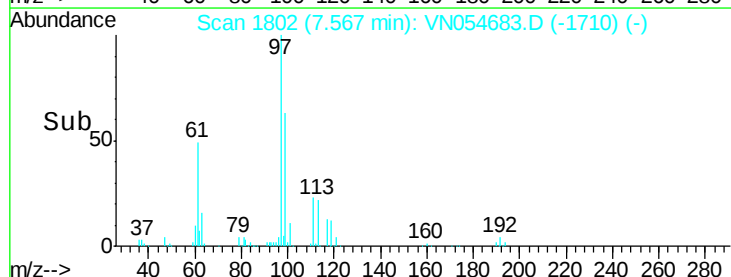
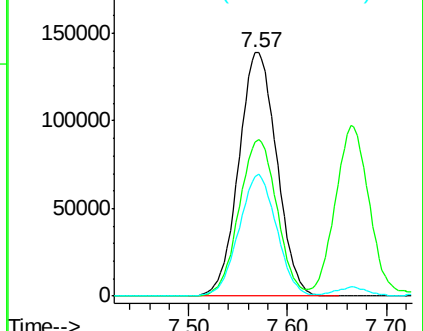
61 49.4 33.6 50.4

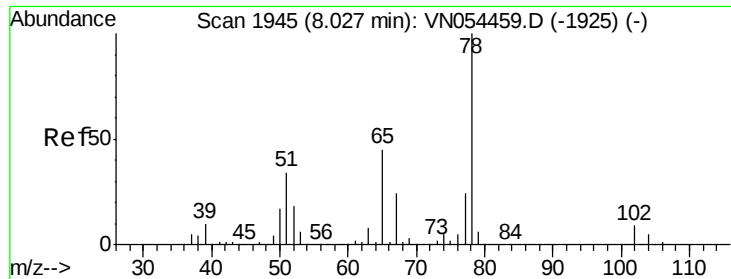


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0





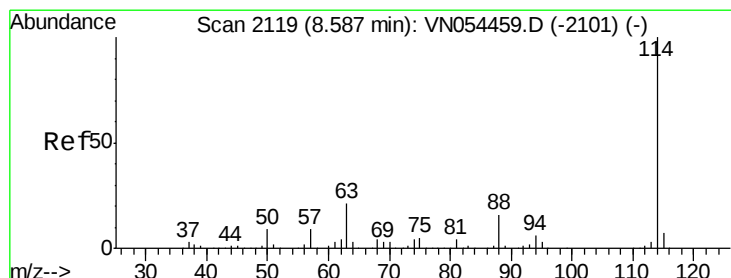
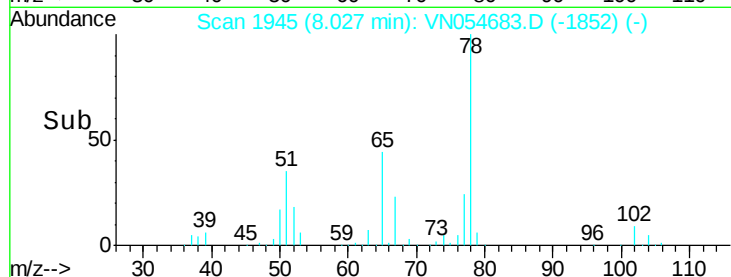
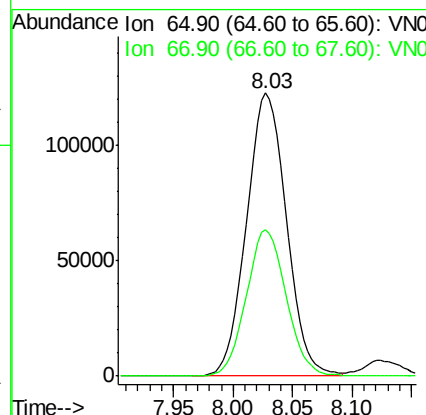
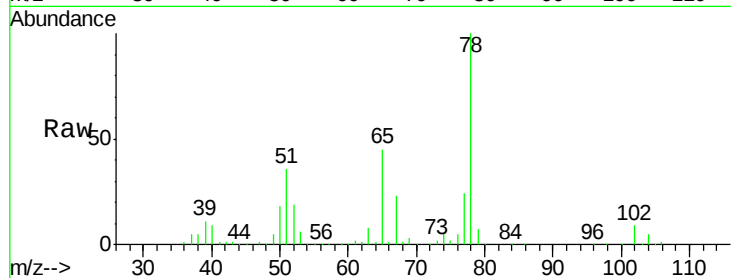
#33
 1,2-Dichloroethane-d4
 Concen: 53.834 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN054683.D
 Acq: 25 Mar 2019 19:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	285793		
67	51.7	0.0	104.6	

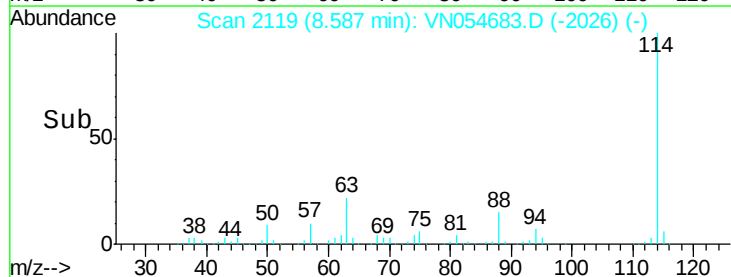
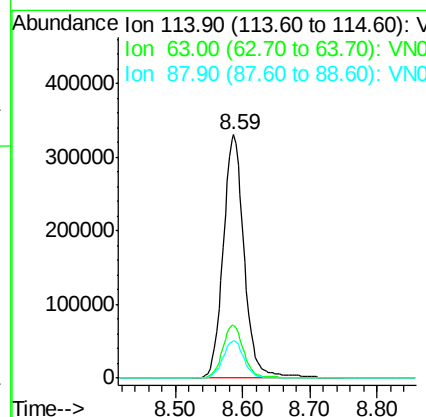
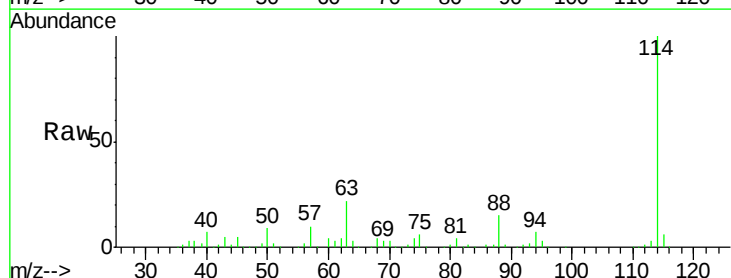
Manual Integrations
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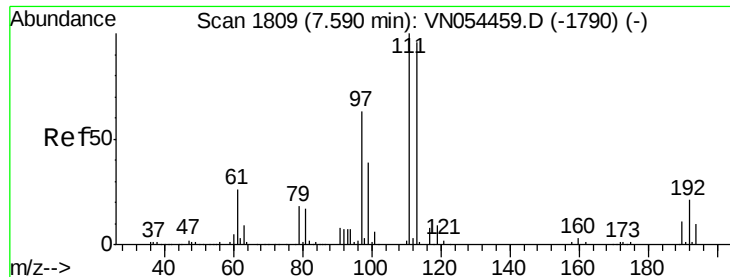
MMDadoda
 3/26/2019 12:33:15 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054683.D
 Acq: 25 Mar 2019 19:50

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	720949		
63	21.8	0.0	35.2	
88	15.3	0.0	30.2	





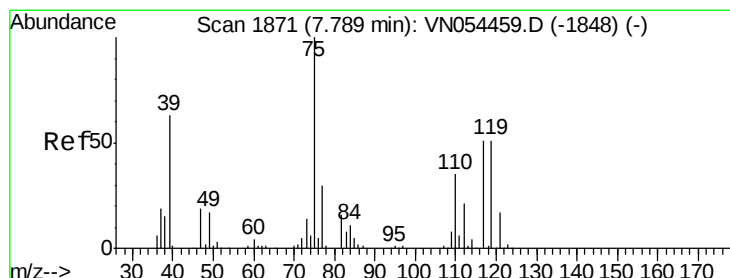
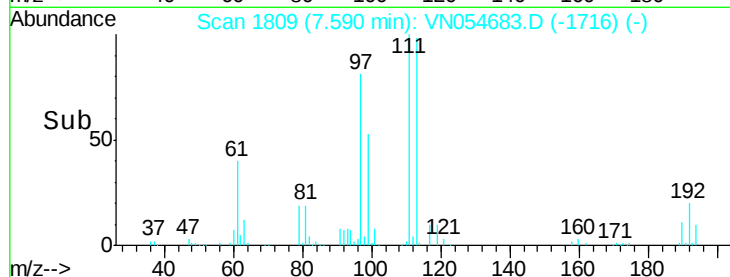
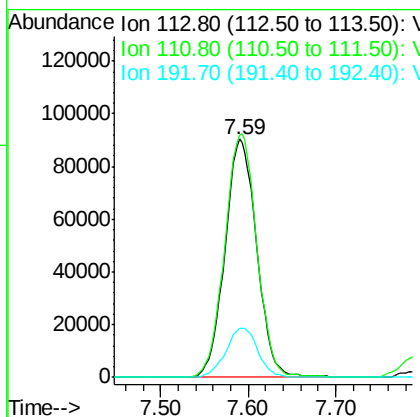
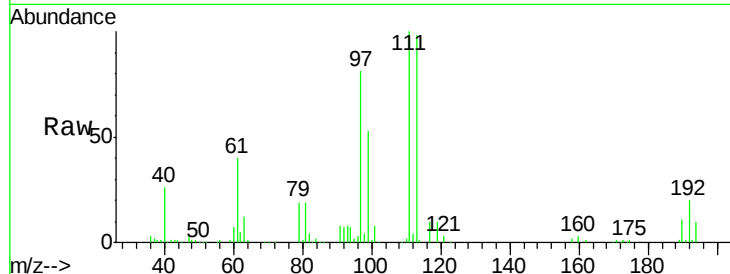
#35
 Dibromofluoromethane
 Concen: 48.952 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN054683.D
 Acq: 25 Mar 2019 19:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	227369		
111	103.3	82.2	123.4	
192	20.8	19.2	28.8	

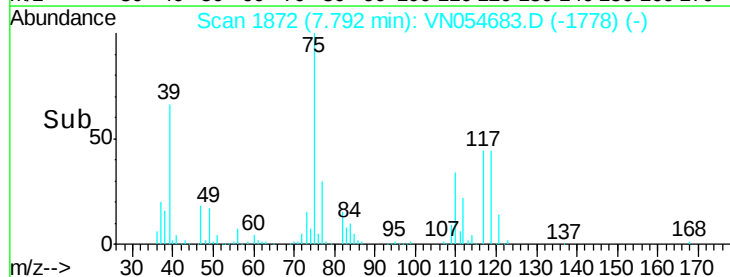
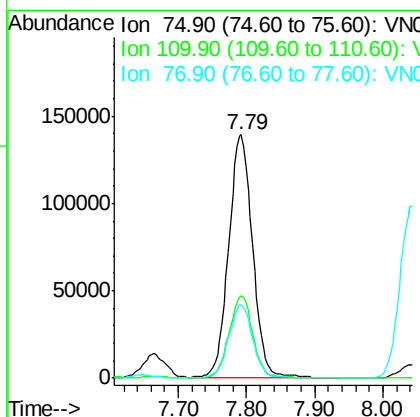
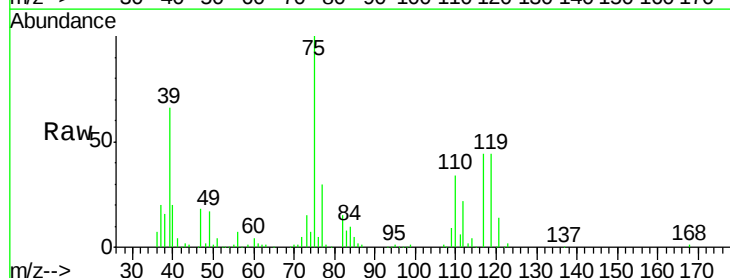
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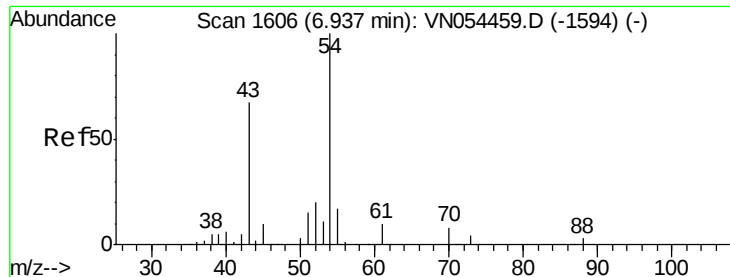
MMDadoda
 3/26/2019 12:33:15 PM



#36
 1,1-Dichloropropene
 Concen: 50.314 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN054683.D
 Acq: 25 Mar 2019 19:50

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	339161		
110	33.4	19.1	57.5	
77	30.3	25.0	37.4	





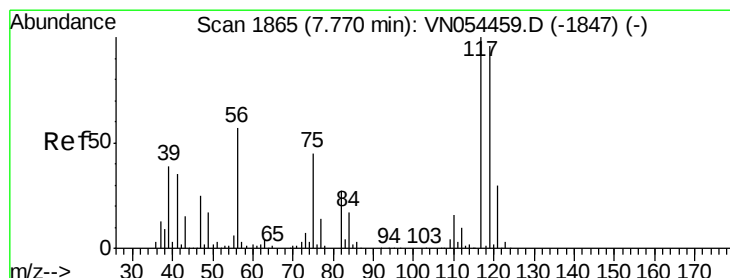
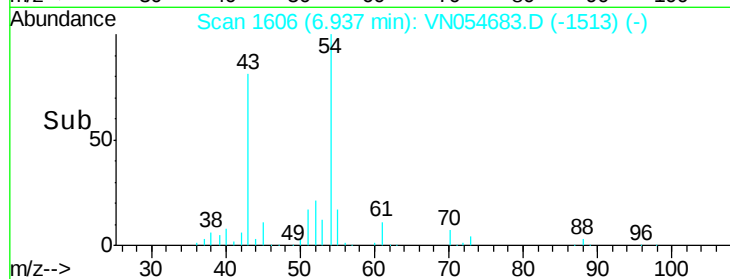
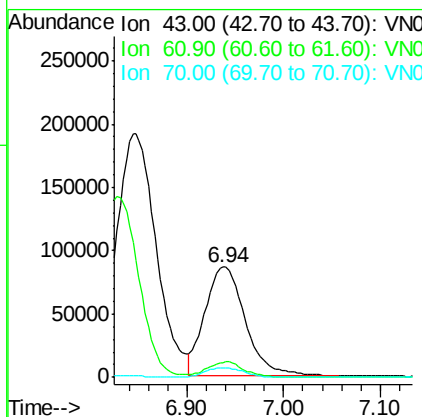
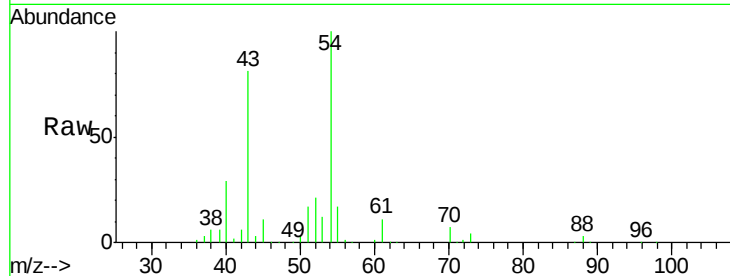
#37
Ethyl Acetate
Concen: 52.280 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. 0.00 min
Lab File: VN054683.D
Acq: 25 Mar 2019 19:50

Instrument :
MSVOA_N
ClientSampleID :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.2	11.8	17.6
70	8.6	8.4	12.6

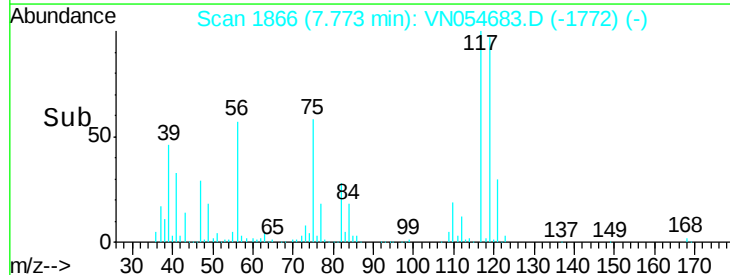
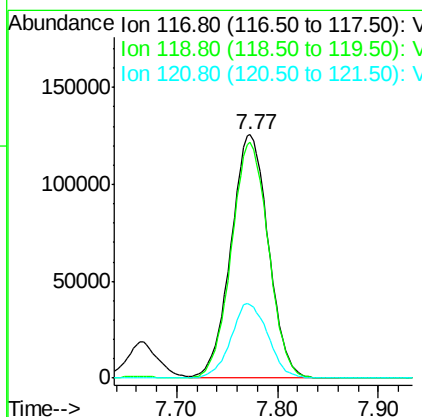
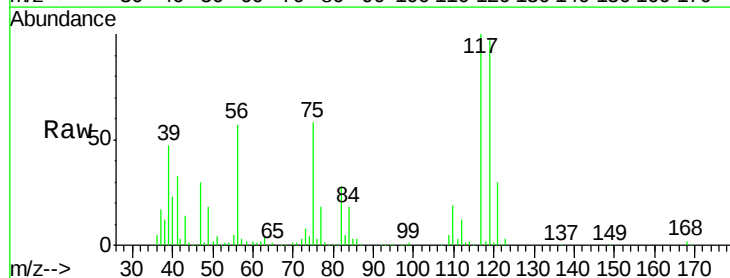
Manual Integrations
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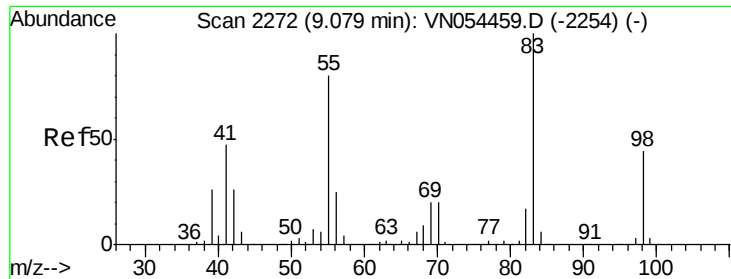
MMDadoda
3/26/2019 12:33:15 PM



#38
Carbon Tetrachloride
Concen: 49.223 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN054683.D
Acq: 25 Mar 2019 19:50

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.8	76.3	114.5
121	30.3	24.6	36.8





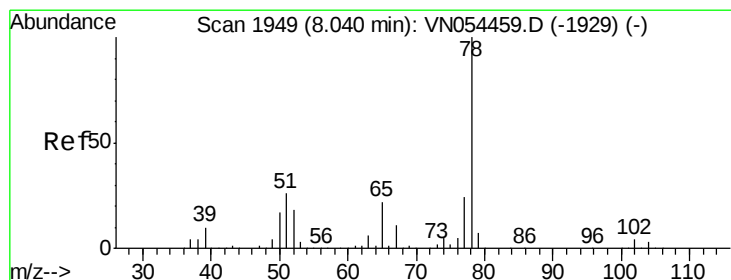
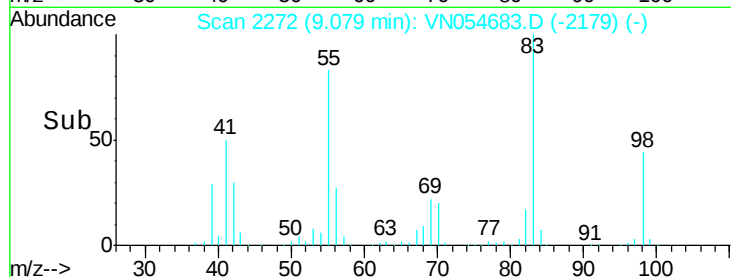
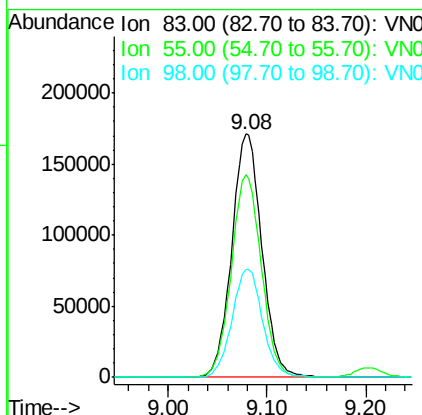
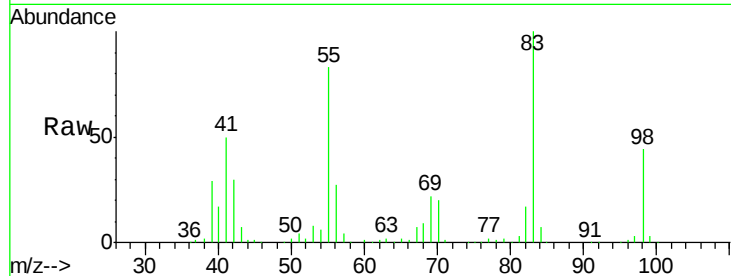
#39
Methvlcvclohexane
Concen: 47.139 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN054683.D
Acq: 25 Mar 2019 19:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	83.00	Resp	363487
Ion	Ratio	Lower	Upper
83	100		
55	83.3	56.6	84.8
98	44.3	38.4	57.6

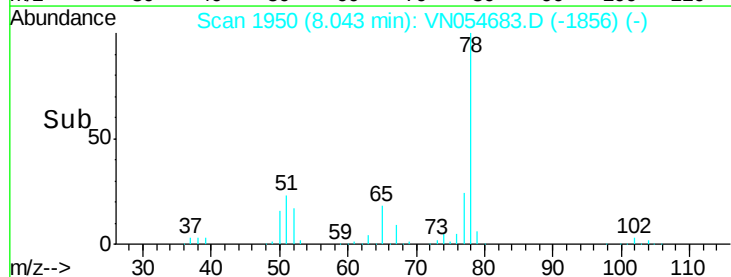
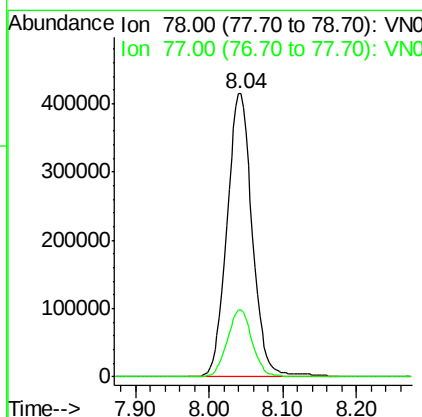
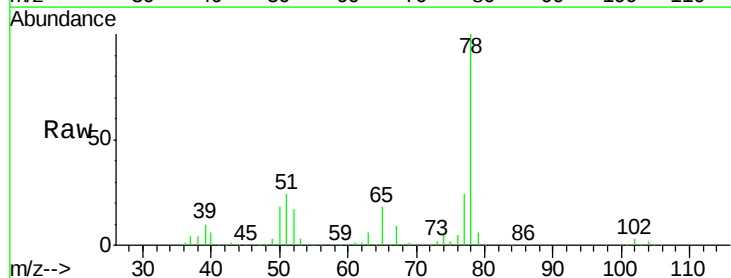
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#40
Benzene
Concen: 51.350 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN054683.D
Acq: 25 Mar 2019 19:50

Tgt Ion	78.00	Resp	989828
Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.1	28.7





#41

Methacrylonitrile

Concen: 49.375 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VN054683.D

Acq: 25 Mar 2019 19:50

Instrument :

MSVOA_N

ClientSampleId :

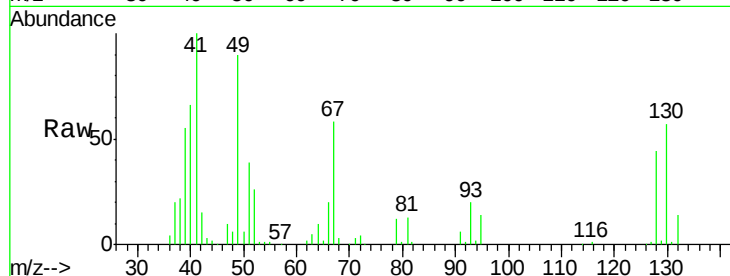
VSTDCCC050EC

Tot Ion: 41 Resp: 144367
Ion Ratio Lower Upper

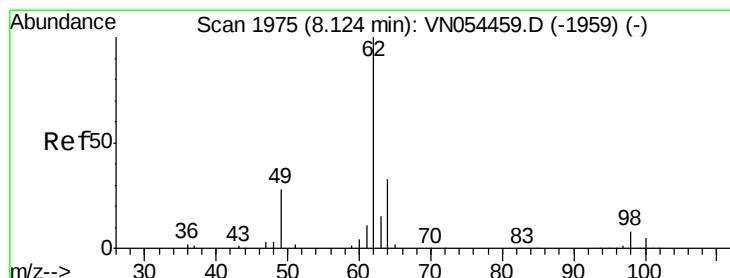
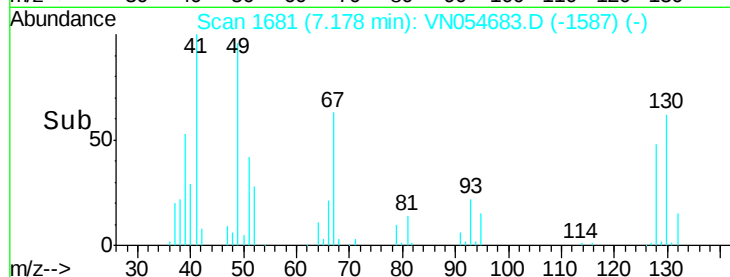
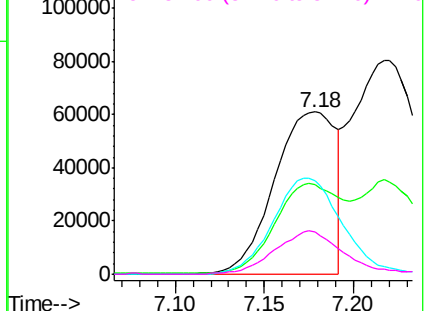
41	100		
39	61.2	46.8	70.2
67	67.7	67.0	100.4
52	29.3	26.5	39.7

Manual Integrations
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3/26/2019 12:33:15 PM



Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO



#42

1,2-Dichloroethane

Concen: 51.198 ug/l

RT: 8.12 min Scan# 1975

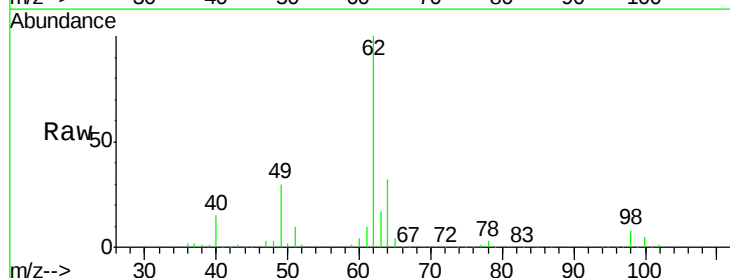
Delta R.T. 0.00 min

Lab File: VN054683.D

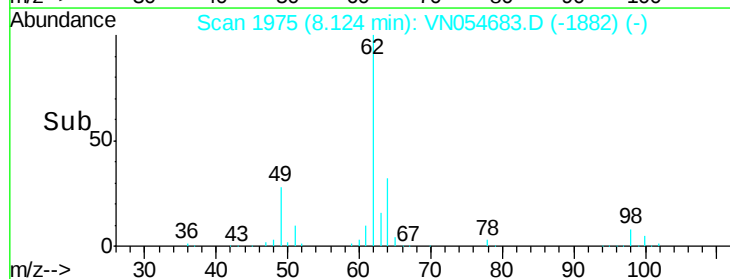
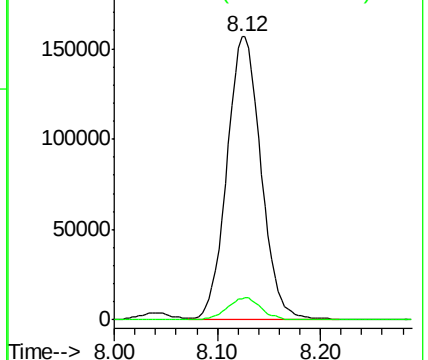
Acq: 25 Mar 2019 19:50

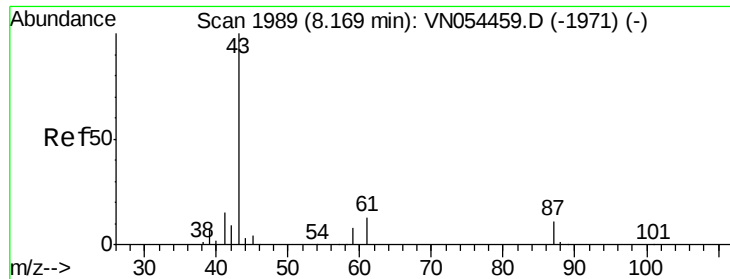
Tgt Ion: 62 Resp: 359407
Ion Ratio Lower Upper

62	100		
98	7.9	0.0	18.4



Abundance Ion 61.90 (61.60 to 62.60): VNO
Ion 97.90 (97.60 to 98.60): VNO





#43

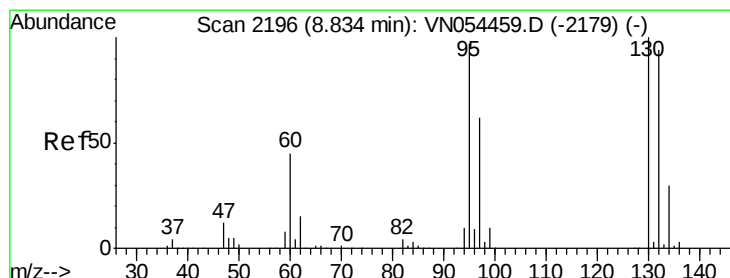
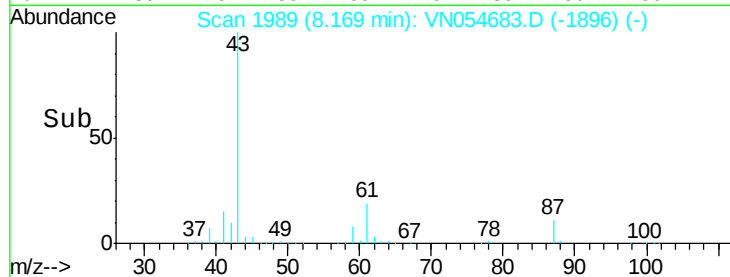
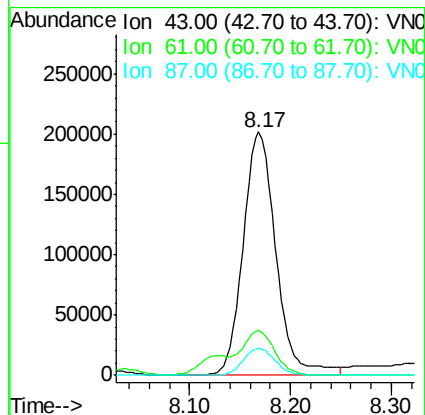
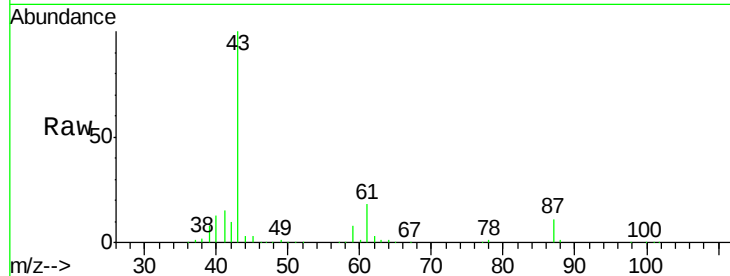
Isopropyl Acetate
 Concen: 55.916 ug/l
 RT: 8.17 min Scan# 1989
 Delta R.T. 0.00 min
 Lab File: VN054683.D
 Acq: 25 Mar 2019 19:50

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	17.6	15.8	23.8
87	10.8	12.0	18.0

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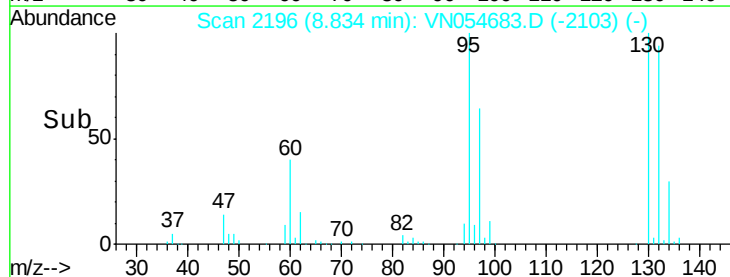
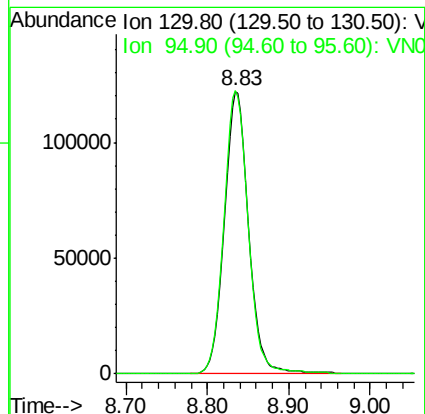
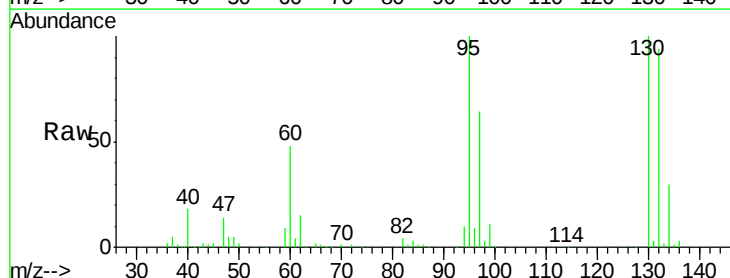
MMDadoda
 3/26/2019 12:33:15 PM

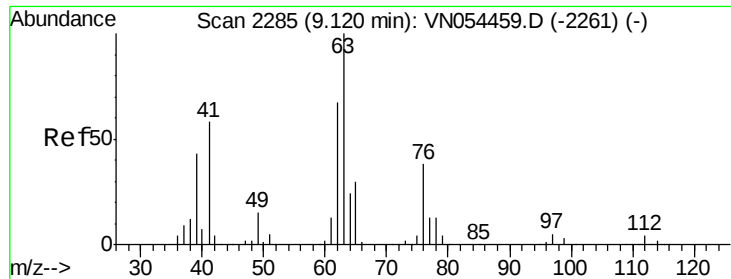


#44

Trichloroethene
 Concen: 47.997 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. 0.00 min
 Lab File: VN054683.D
 Acq: 25 Mar 2019 19:50

Tgt Ion	Ratio	Lower	Upper
130	100		
95	100.3	0.0	185.2





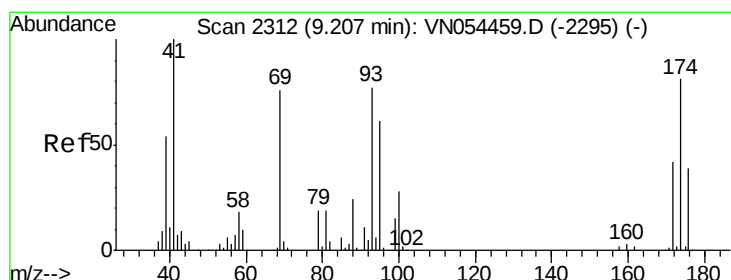
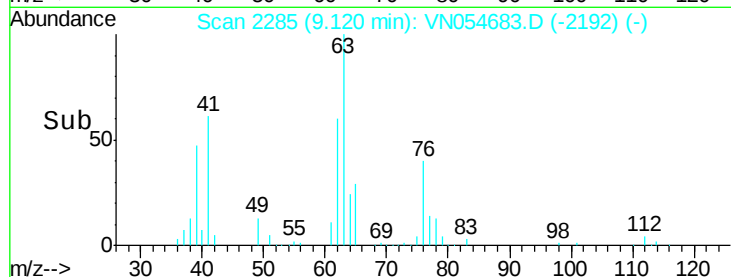
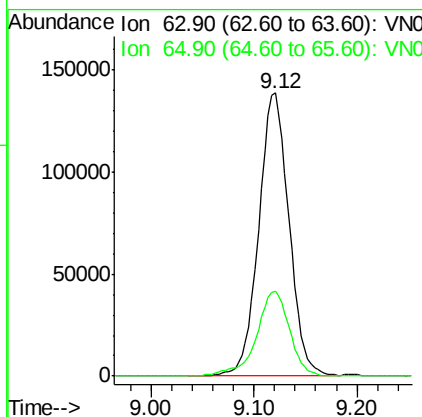
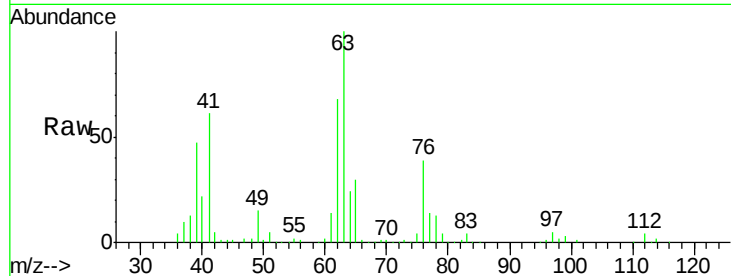
#45
 1,2-Dichloropropane
 Concen: 54.560 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN054683.D
 Acq: 25 Mar 2019 19:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 282404
 Ion Ratio Lower Upper
 63 100
 65 30.0 25.0 37.6

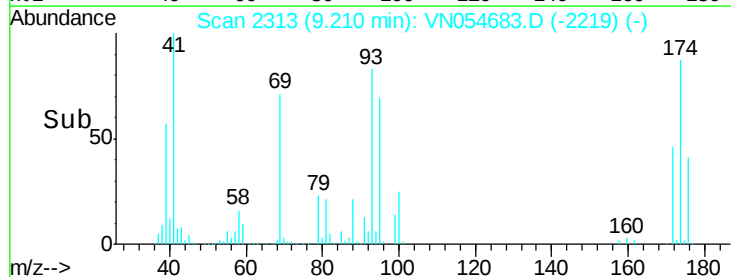
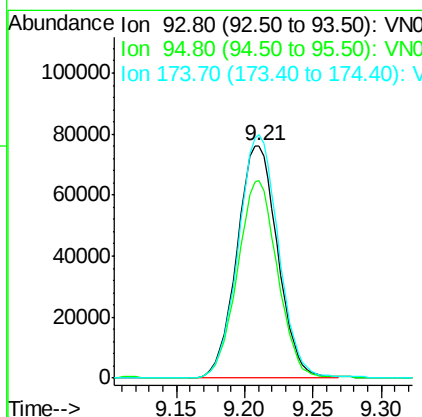
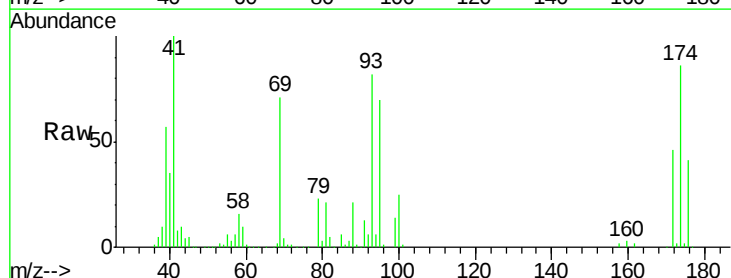
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 3/26/2019 12:33:15 PM



#46
 Dibromomethane
 Concen: 51.053 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN054683.D
 Acq: 25 Mar 2019 19:50

Tgt Ion: 93 Resp: 157646
 Ion Ratio Lower Upper
 93 100
 95 83.3 66.7 100.1
 174 104.0 98.5 147.7





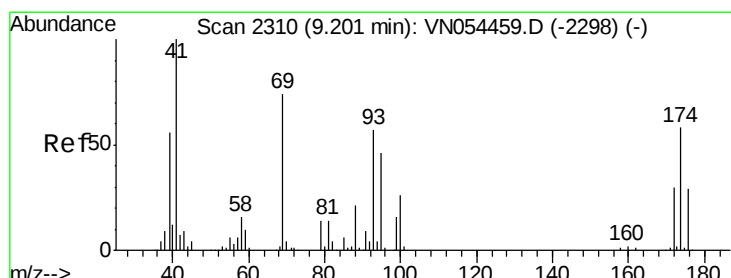
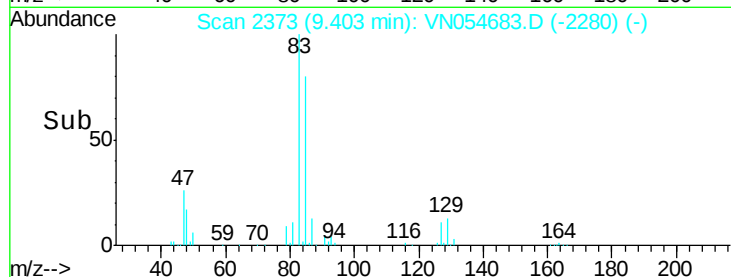
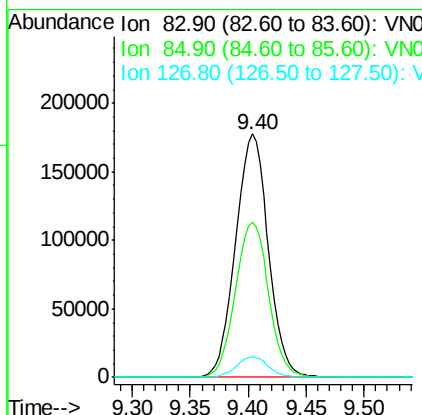
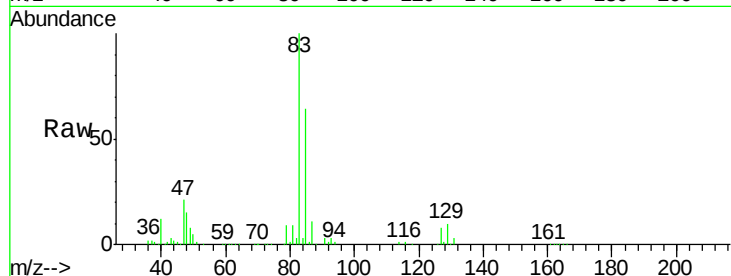
#47
Bromodichloromethane
Concen: 54.249 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN054683.D
Acq: 25 Mar 2019 19:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
85	63.8	52.8	79.2
127	8.4	7.4	11.2

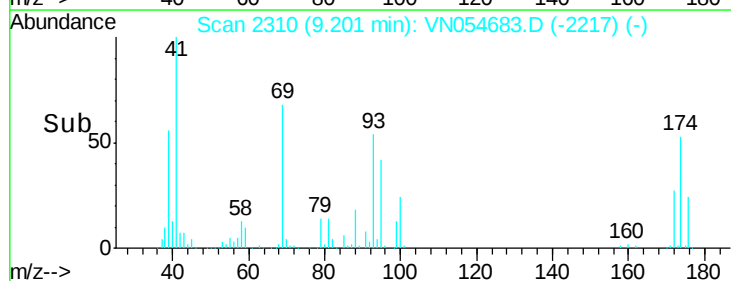
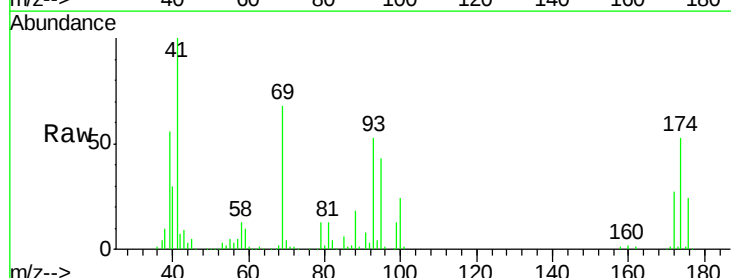
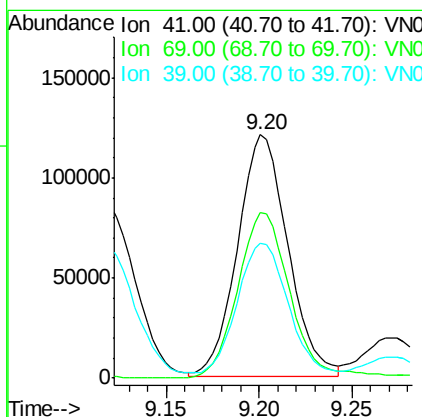
Manual Integrations
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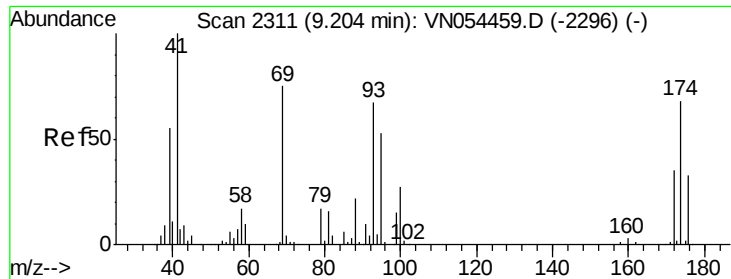
MMDadoda
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#48
Methyl methacrylate
Concen: 51.894 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN054683.D
Acq: 25 Mar 2019 19:50

Tgt Ion	Ratio	Lower	Upper
41	100		
69	71.3	72.6	108.8#
39	56.9	47.5	71.3





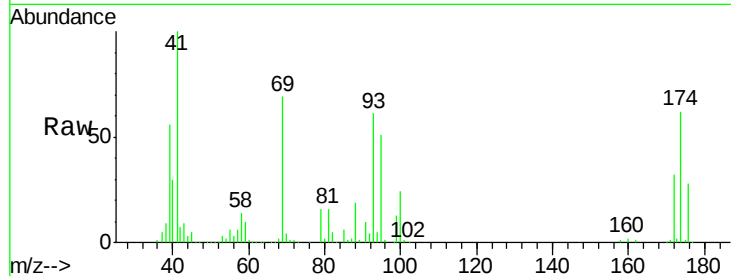
#49
1,4-Dioxane
Concen: 912.704 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. -0.00 min
Lab File: VN054683.D
Acq: 25 Mar 2019 19:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

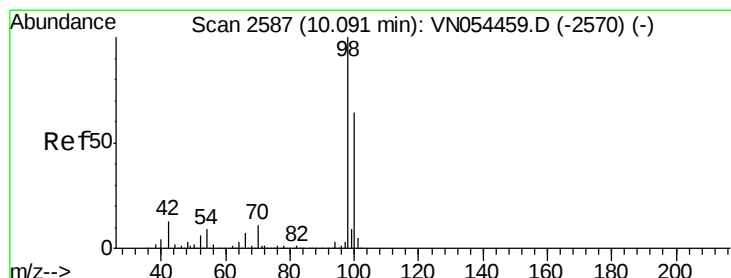
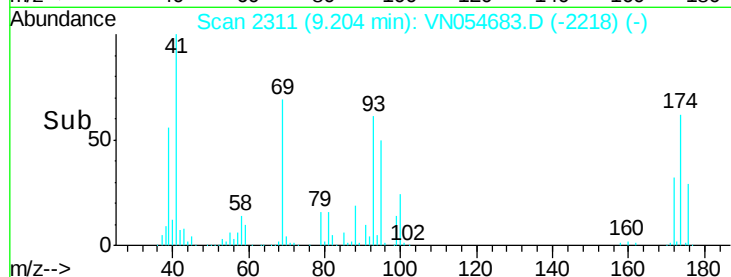
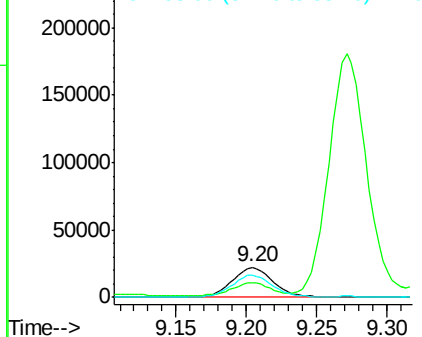
Tot Ion: 88 Resp: 44842
Ion Ratio Lower Upper
88 100
43 41.7 24.1 36.1#
58 75.0 50.8 76.2

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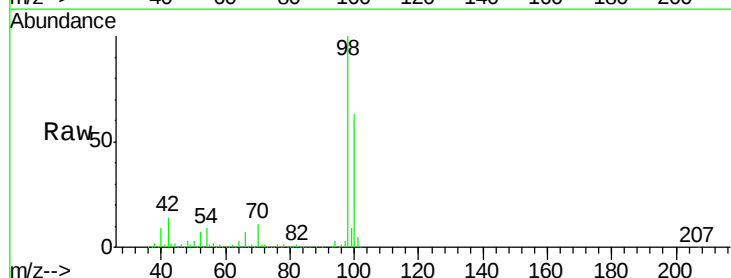


Abundance Ion 88.00 (87.70 to 88.70): VNC
Ion 43.00 (42.70 to 43.70): VNC
Ion 58.00 (57.70 to 58.70): VNC

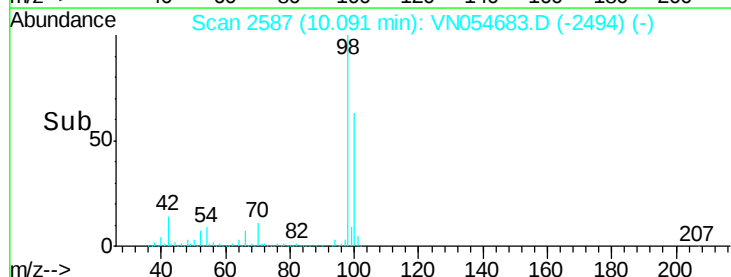
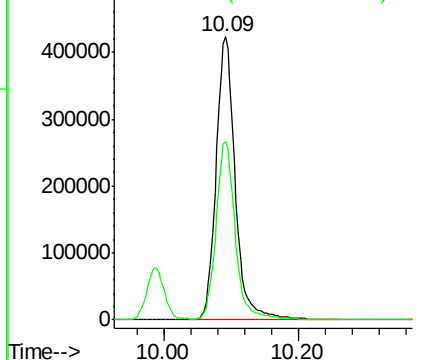


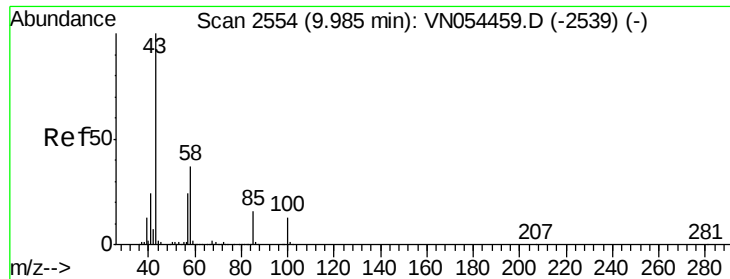
#50
Toluene-d8
Concen: 48.245 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN054683.D
Acq: 25 Mar 2019 19:50

Tgt Ion: 98 Resp: 842425
Ion Ratio Lower Upper
98 100
100 63.1 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VNC
Ion 100.00 (99.70 to 100.70): VNC





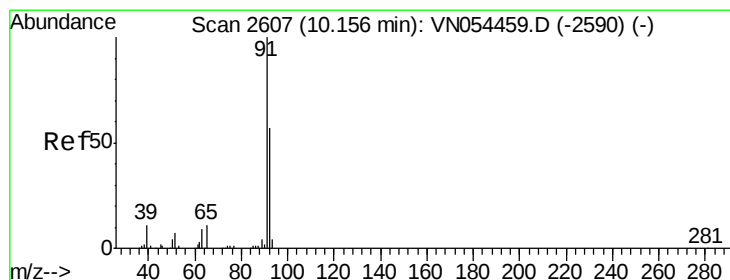
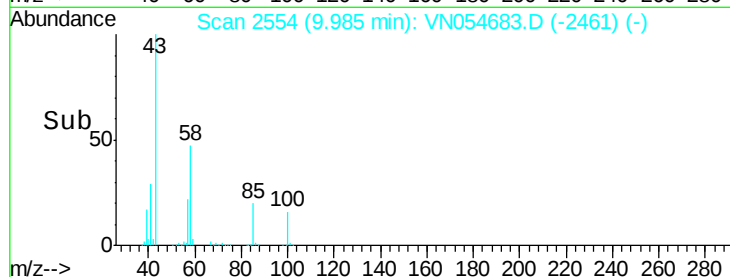
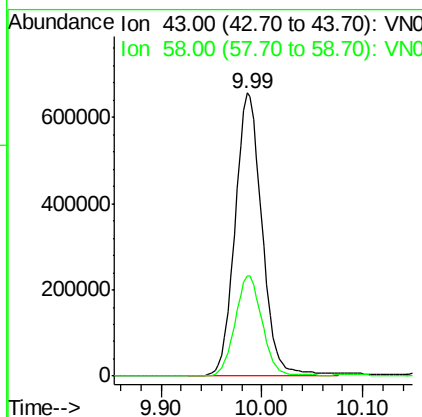
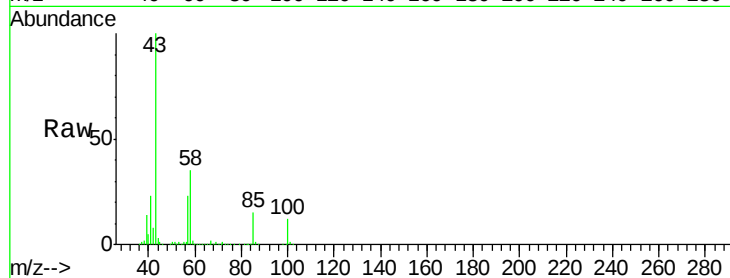
#51
4-Methyl-2-Pentanone
Concen: 271.345 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN054683.D
Acq: 25 Mar 2019 19:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1217636
Ion Ratio Lower Upper
43 100
58 35.7 31.8 47.6

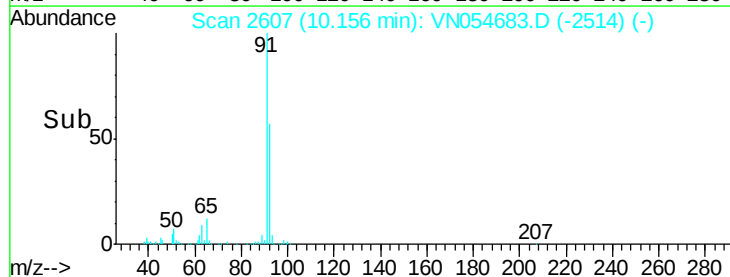
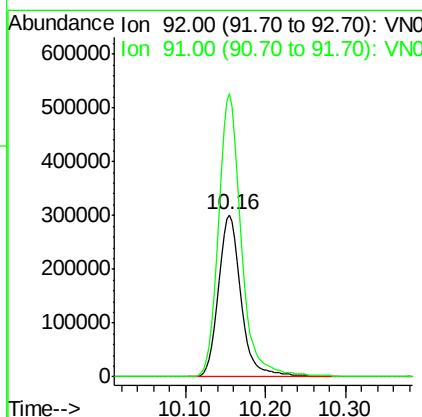
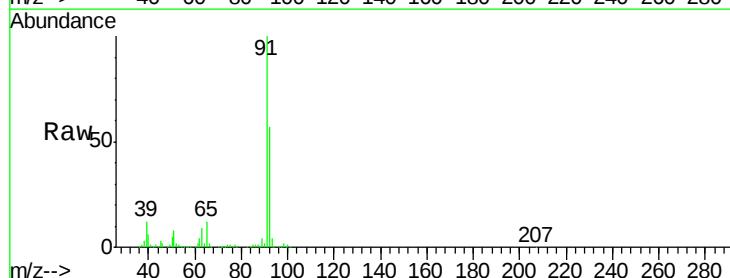
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#52
Toluene
Concen: 50.192 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN054683.D
Acq: 25 Mar 2019 19:50

Tgt Ion: 92 Resp: 595060
Ion Ratio Lower Upper
92 100
91 174.3 140.7 211.1





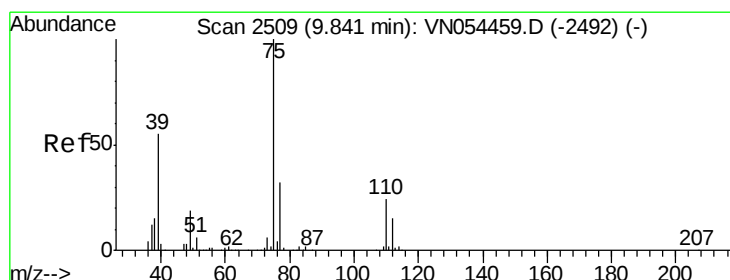
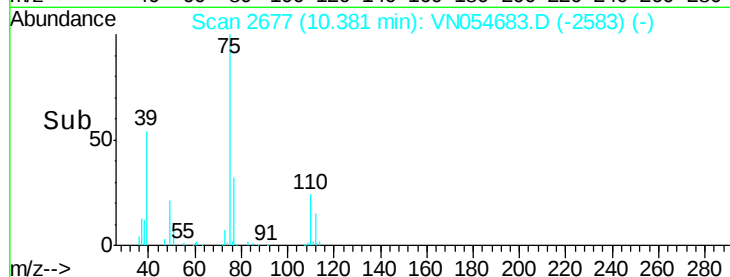
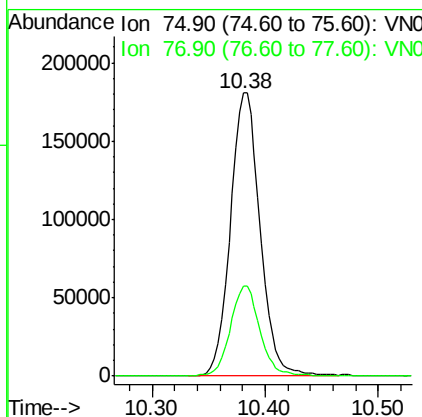
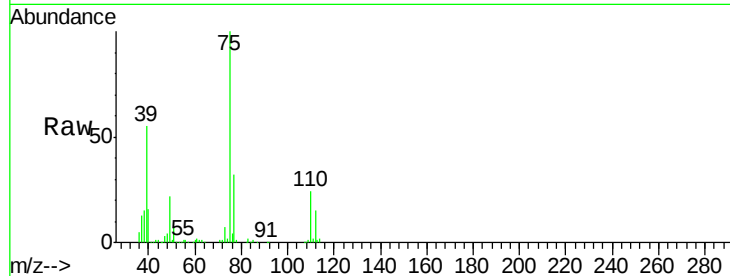
#53
t-1,3-Dichloropropene
Concen: 48.825 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN054683.D
Acq: 25 Mar 2019 19:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.8	38.8

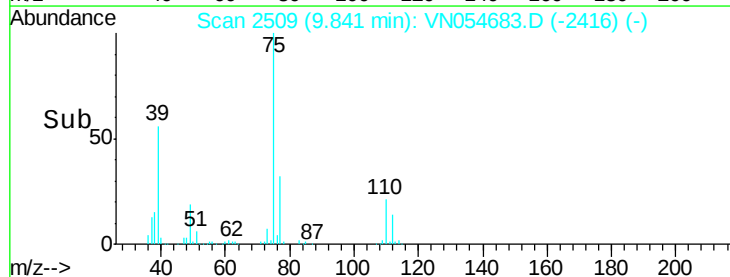
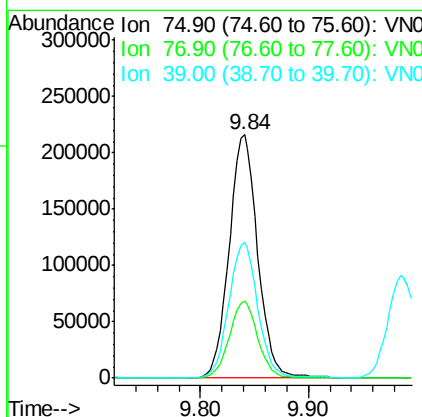
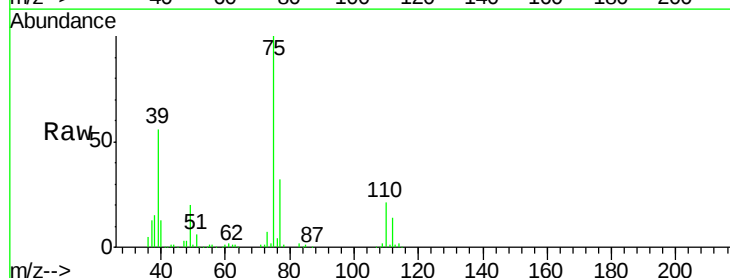
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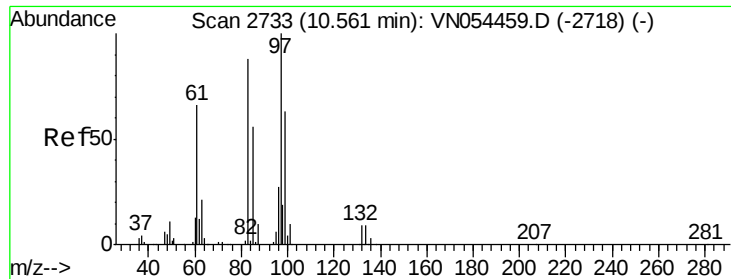
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#54
cis-1,3-Dichloropropene
Concen: 53.889 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN054683.D
Acq: 25 Mar 2019 19:50

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.4	38.0
39	55.9	37.2	55.8#





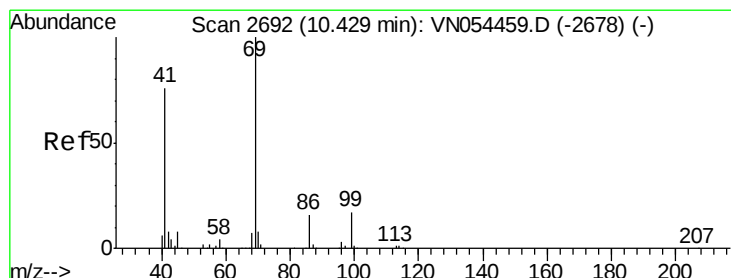
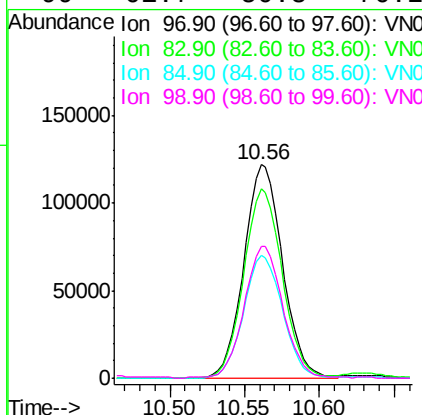
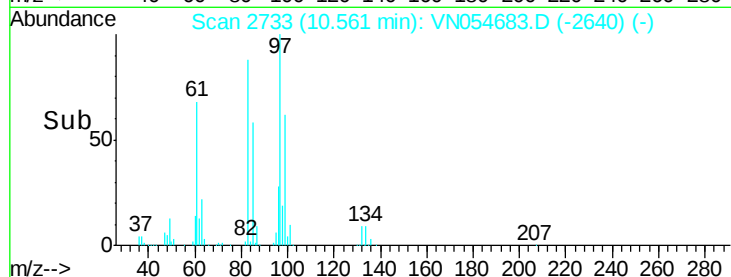
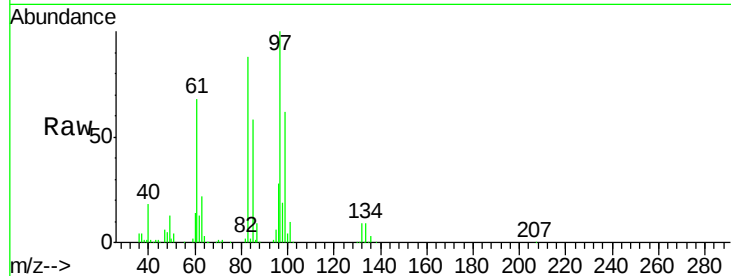
#55
 1,1,2-Trichloroethane
 Concen: 51.503 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN054683.D
 Acq: 25 Mar 2019 19:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	219489
Ion	Ratio	Lower	Upper
97	100		
83	88.5	66.6	100.0
85	57.8	44.4	66.6
99	61.7	50.8	76.2

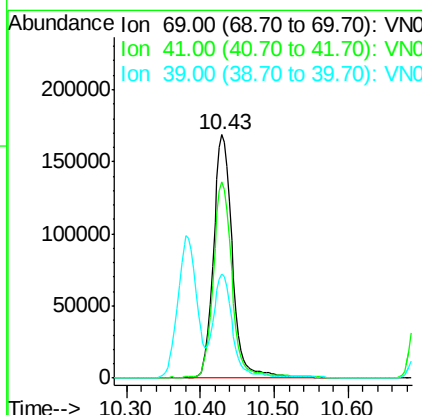
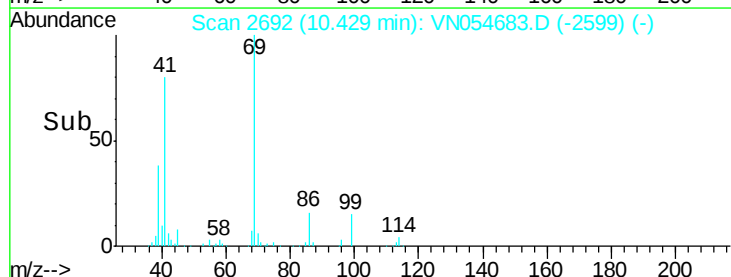
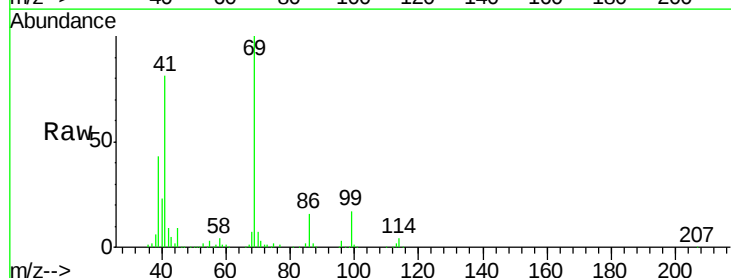
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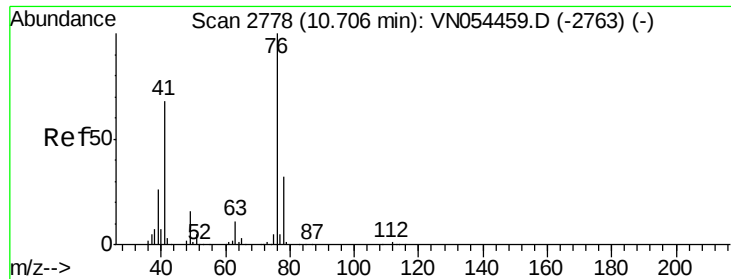
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#56
 Ethyl methacrylate
 Concen: 52.686 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN054683.D
 Acq: 25 Mar 2019 19:50

Tgt Ion:	69	Resp:	301367
Ion	Ratio	Lower	Upper
69	100		
41	77.4	49.4	74.2#
39	41.8	28.3	42.5





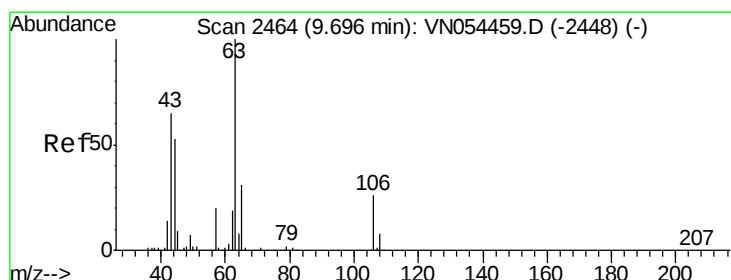
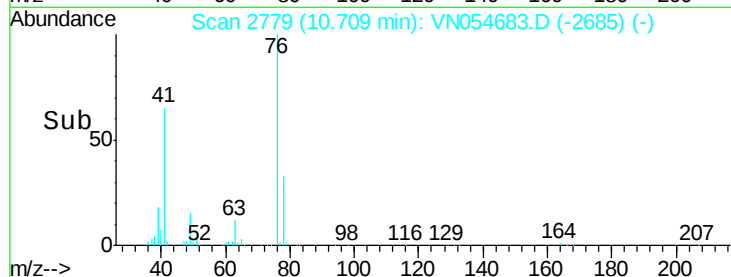
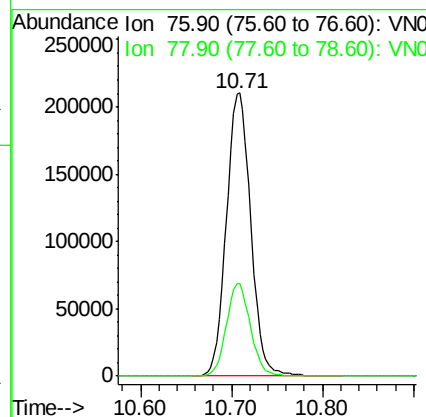
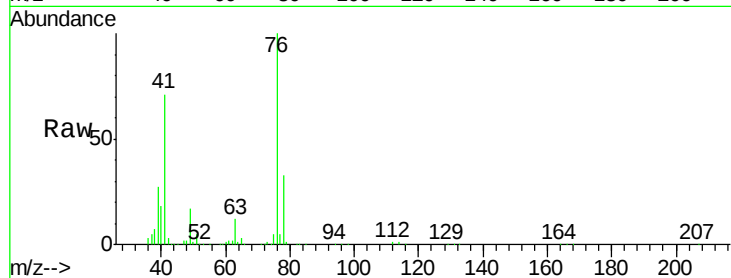
#57
 1,3-Dichloropropane
 Concen: 52.811 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN054683.D
 Acq: 25 Mar 2019 19:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.7	38.5

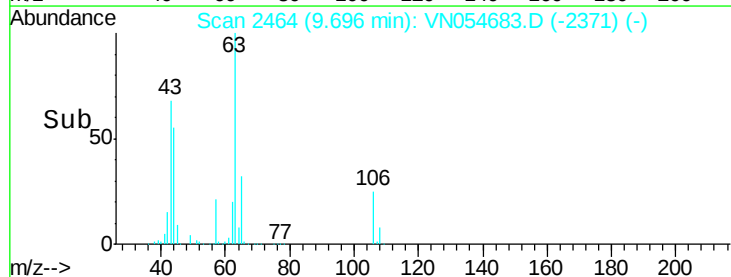
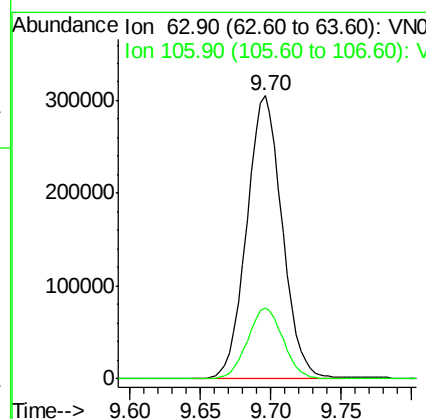
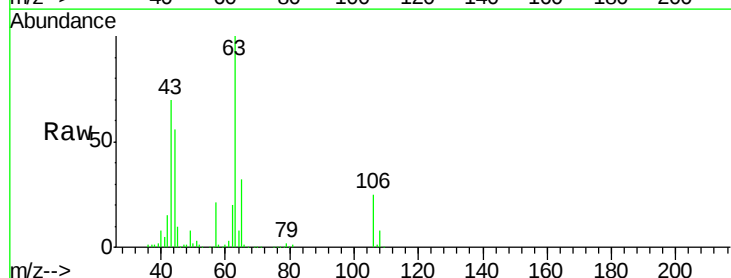
Manual Integrations
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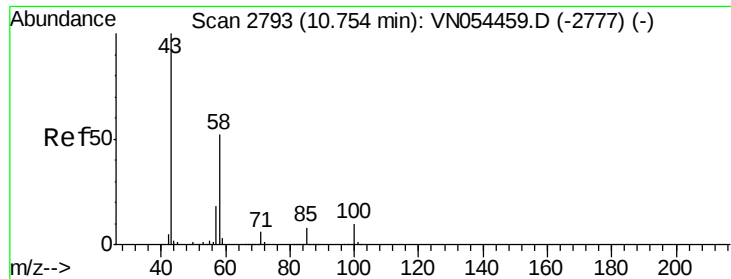
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#58
 2-Chloroethyl Vinyl ether
 Concen: 229.018 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN054683.D
 Acq: 25 Mar 2019 19:50

Tgt Ion	Ratio	Lower	Upper
63	100		
106	25.2	24.4	36.6





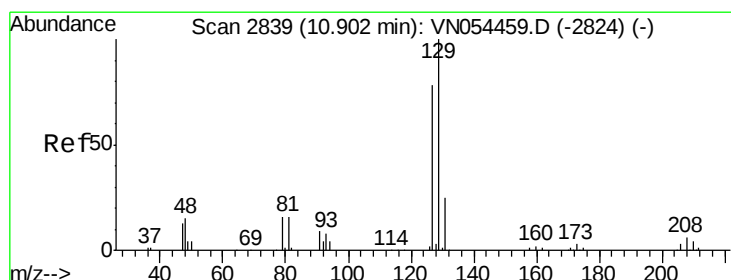
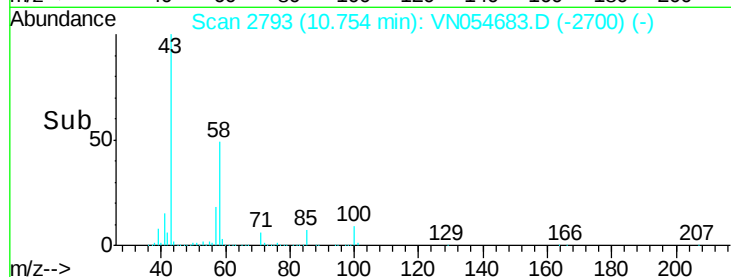
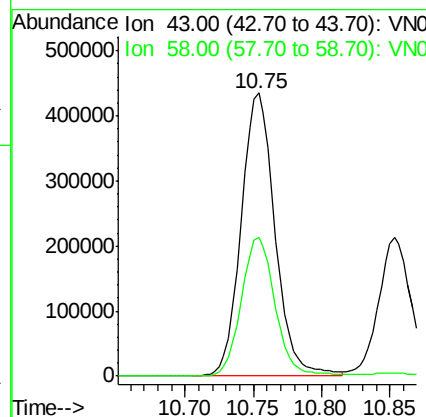
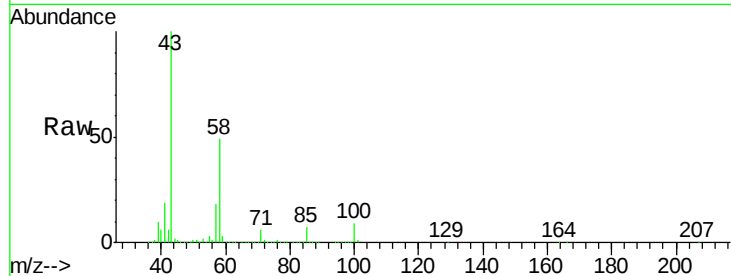
#59
2-Hexanone
Concen: 254.750 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN054683.D
Acq: 25 Mar 2019 19:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 746702
Ion Ratio Lower Upper
43 100
58 49.5 28.0 83.9

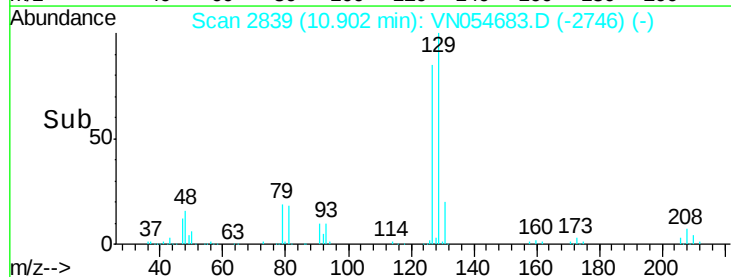
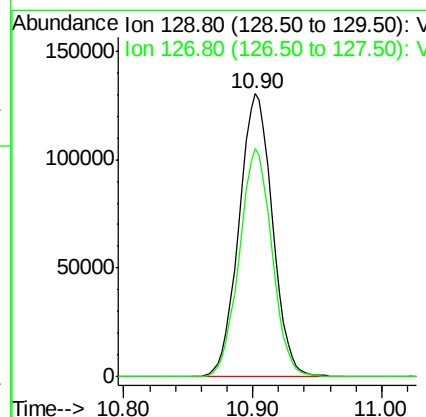
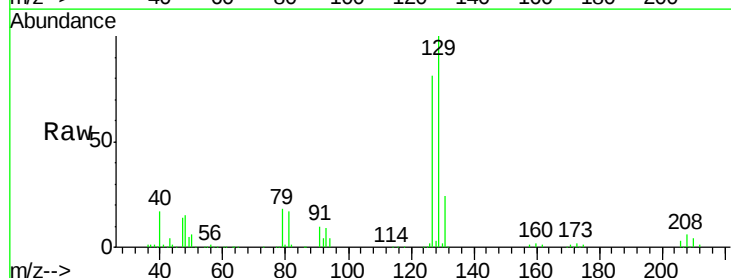
Manual Integrations
APPROVED

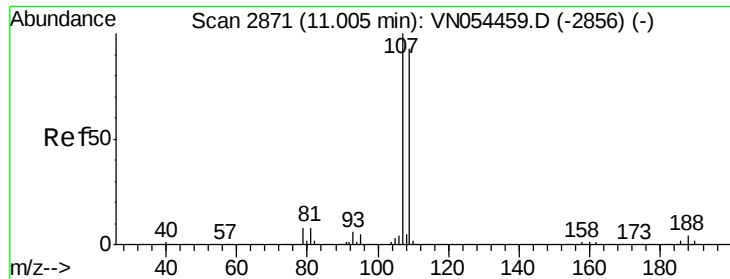
MMDadoda
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#60
Dibromochloromethane
Concen: 51.853 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN054683.D
Acq: 25 Mar 2019 19:50

Tgt Ion: 129 Resp: 235143
Ion Ratio Lower Upper
129 100
127 79.0 38.6 115.8





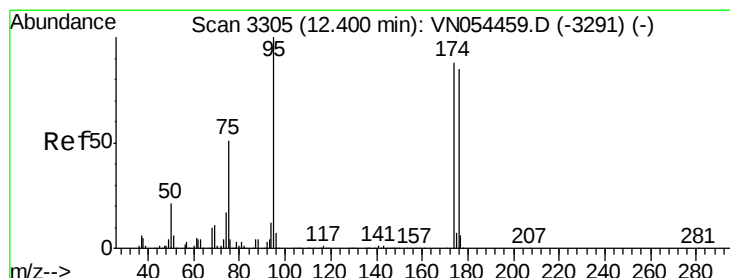
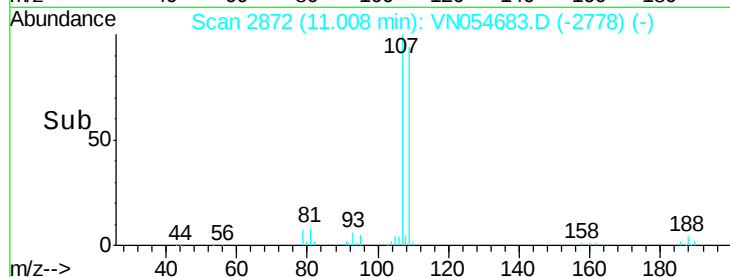
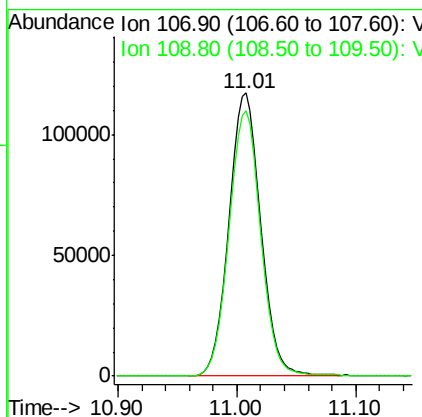
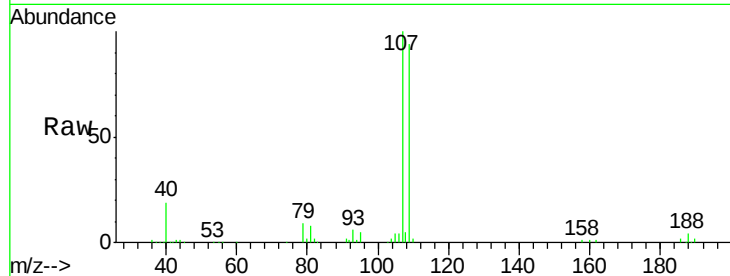
#61
1,2-Dibromoethane
Concen: 51.524 ug/l
RT: 11.01 min Scan# 2872
Delta R.T. 0.00 min
Lab File: VN054683.D
Acq: 25 Mar 2019 19:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.0	75.9	113.9

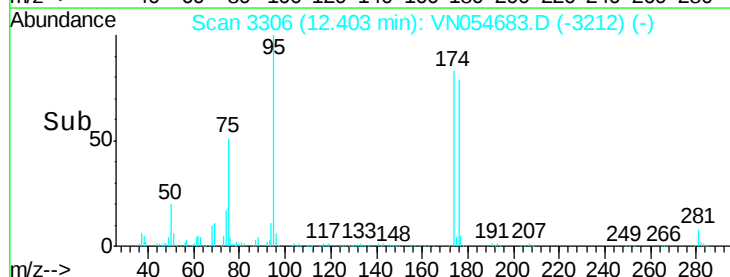
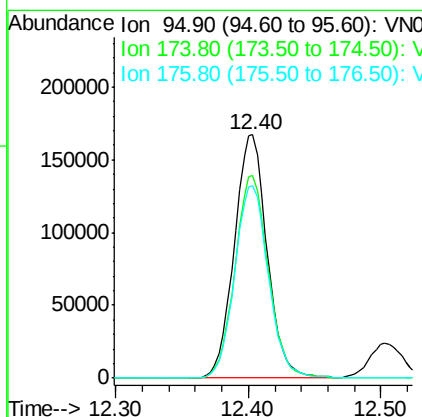
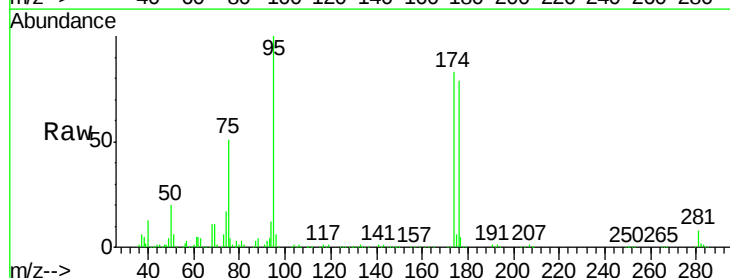
Manual Integrations
APPROVED

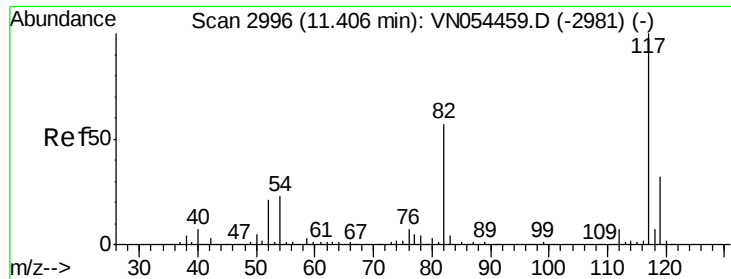
MMDadoda
3/26/2019 12:33:15 PM



#62
4-Bromofluorobenzene
Concen: 48.355 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN054683.D
Acq: 25 Mar 2019 19:50

Tgt Ion	Ratio	Lower	Upper
95	100		
174	84.5	0.0	191.0
176	81.2	0.0	187.4





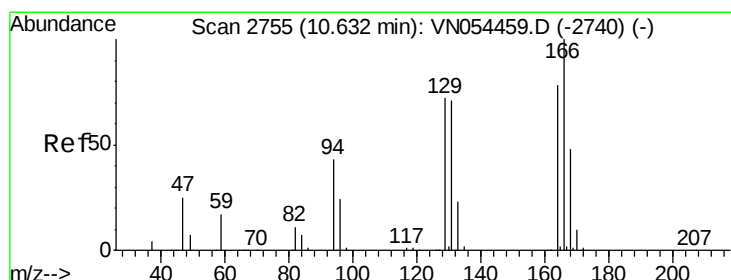
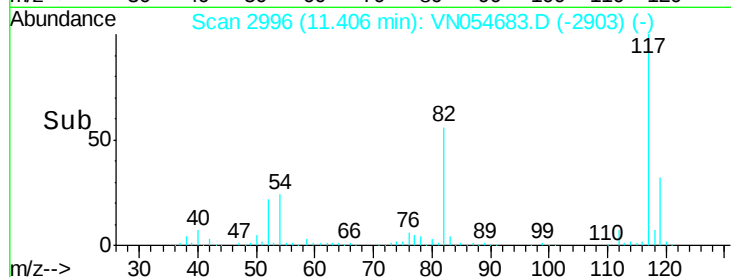
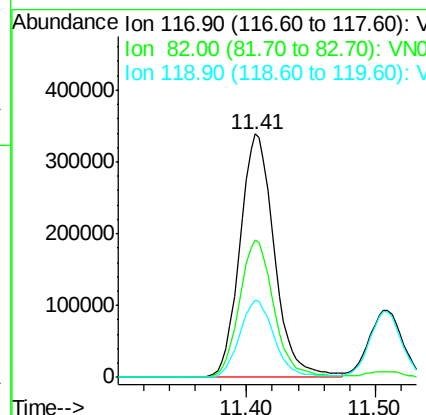
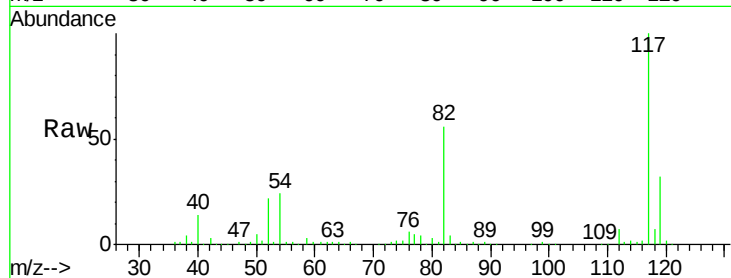
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054683.D
Acq: 25 Mar 2019 19:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.5	40.0	60.0
119	31.6	25.8	38.6

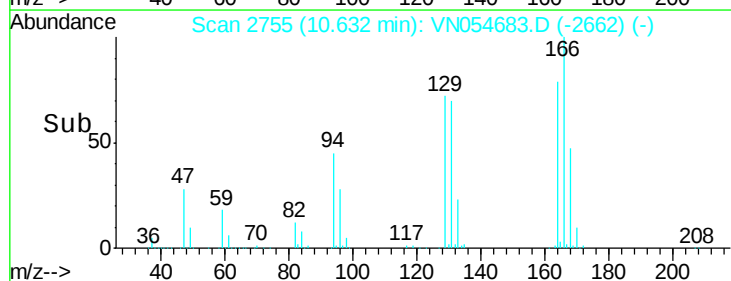
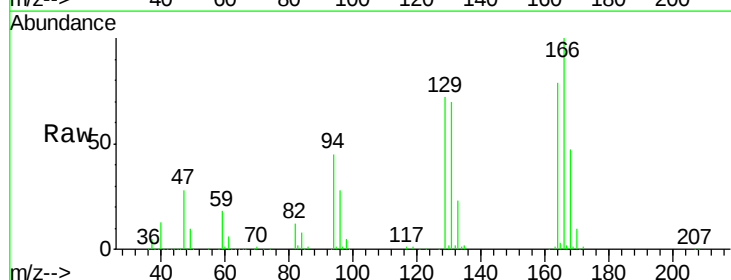
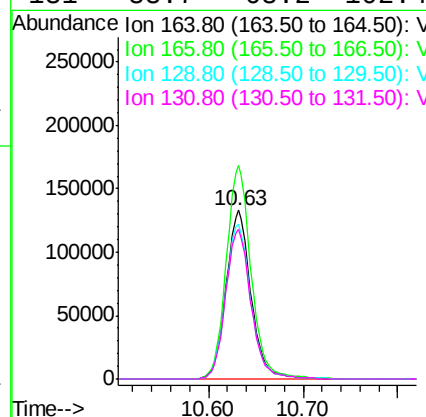
Manual Integrations
APPROVED

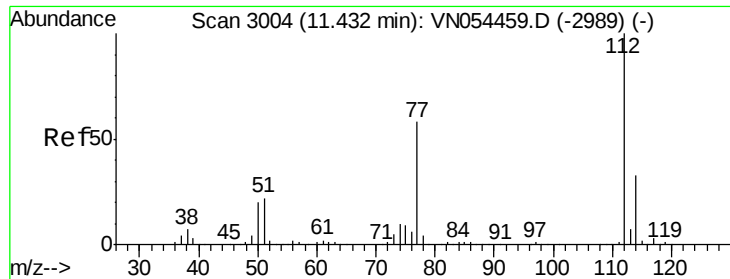
MMDadoda
3/26/2019 12:33:15 PM



#64
Tetrachloroethene
Concen: 46.693 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN054683.D
Acq: 25 Mar 2019 19:50

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.8	103.9	155.9
129	91.7	71.1	106.7
131	88.7	68.2	102.4





#65

Chlorobenzene

Concen: 48.844 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN054683.D

Acq: 25 Mar 2019 19:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 625429

Ion Ratio Lower Upper

112 100

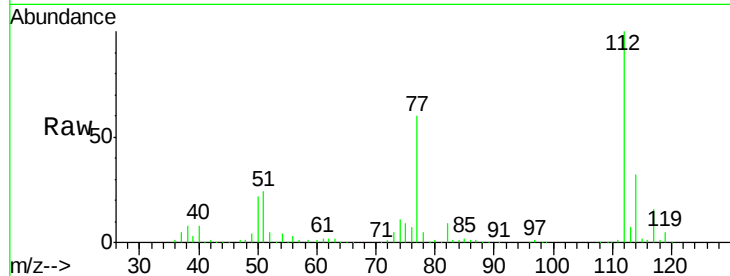
114 32.3 25.9 38.9

Manual Integrations

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.43

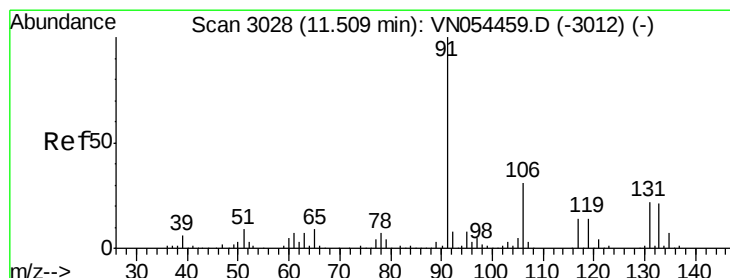
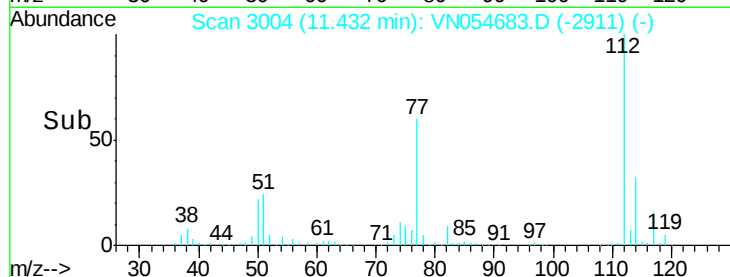
300000

200000

100000

0

Time--> 11.30 11.40 11.50 11.60



#66

1,1,1,2-Tetrachloroethane

Concen: 52.090 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN054683.D

Acq: 25 Mar 2019 19:50

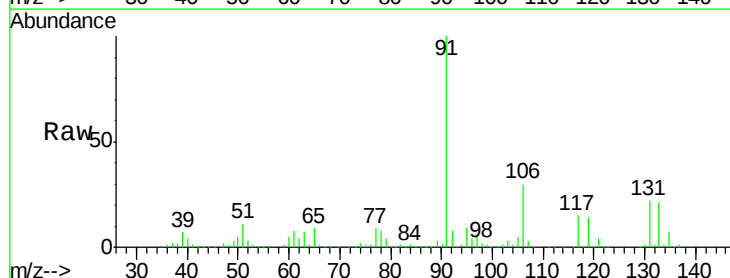
Tgt Ion:131 Resp: 239405

Ion Ratio Lower Upper

131 100

133 96.4 47.6 142.9

119 65.7 32.4 97.0



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

11.51

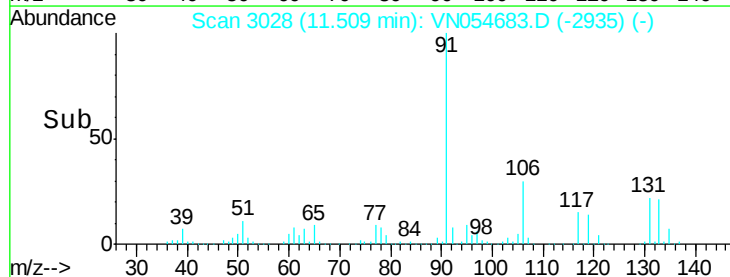
150000

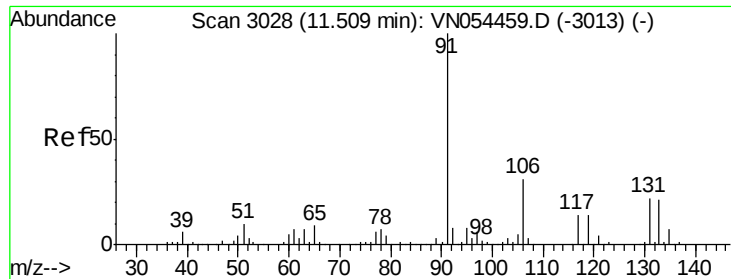
100000

50000

0

Time--> 11.50 11.60





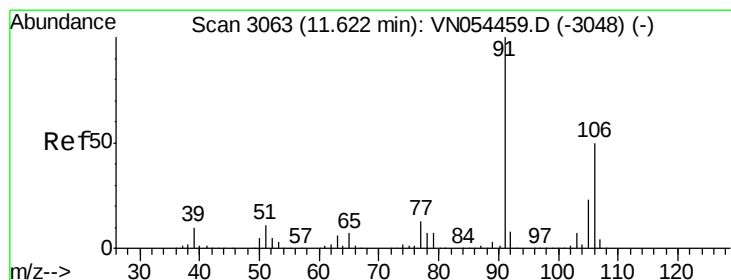
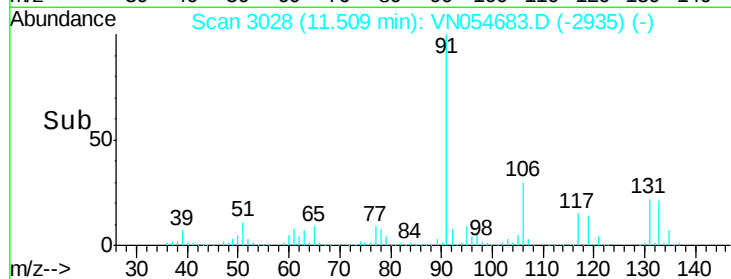
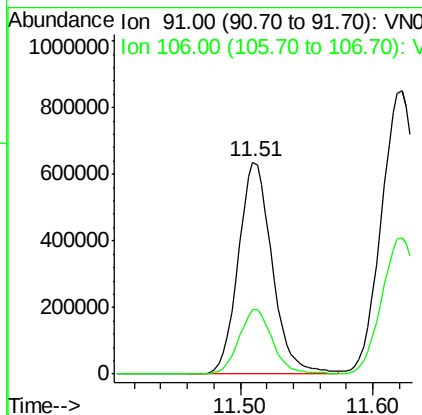
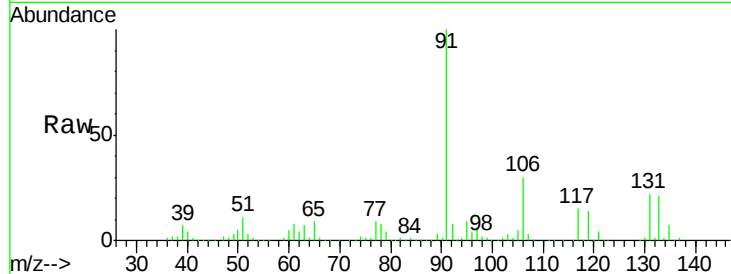
#67
Ethyl Benzene
Concen: 49.935 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN054683.D
Acq: 25 Mar 2019 19:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1129455
Ion Ratio Lower Upper
91 100
106 30.3 25.5 38.3

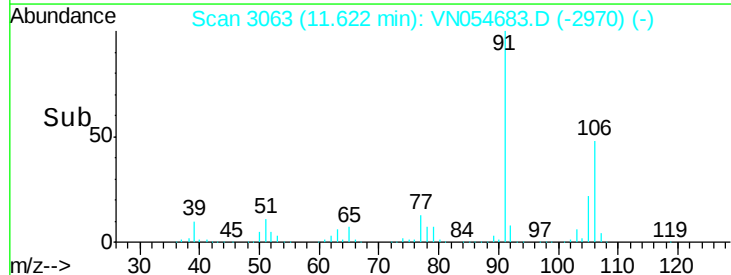
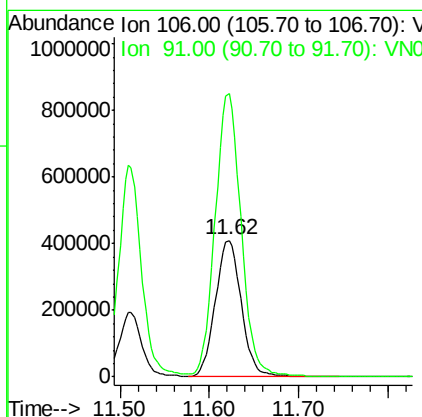
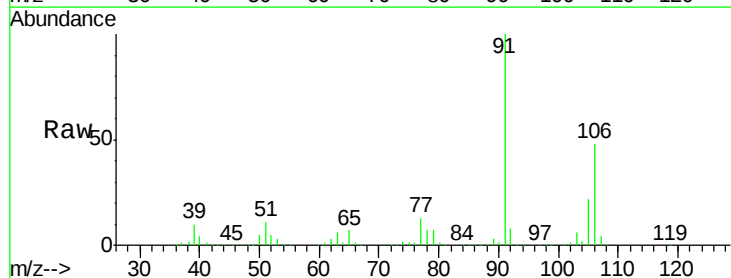
Manual Integrations
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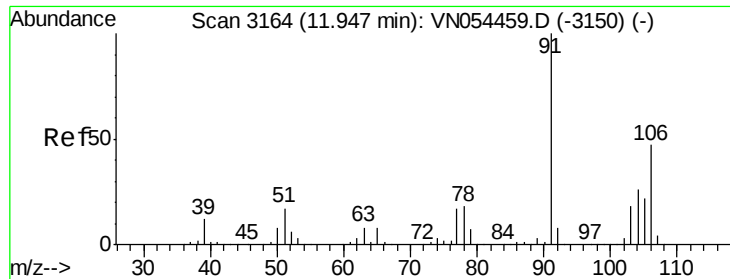
MMDadoda
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#68
m/p-Xylenes
Concen: 97.053 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN054683.D
Acq: 25 Mar 2019 19:50

Tgt Ion: 106 Resp: 831492
Ion Ratio Lower Upper
106 100
91 207.8 159.4 239.2





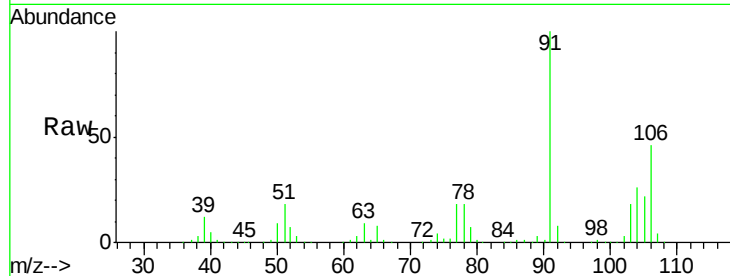
#69
o-Xylene
Concen: 49.199 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054683.D
Acq: 25 Mar 2019 19:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

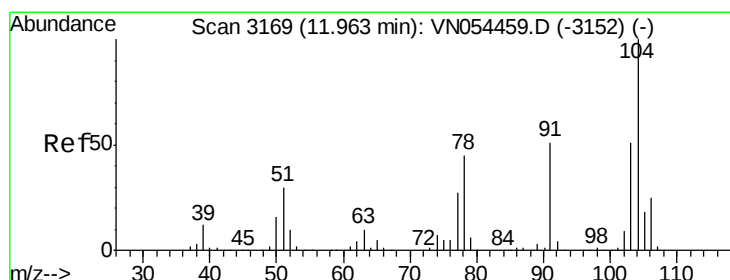
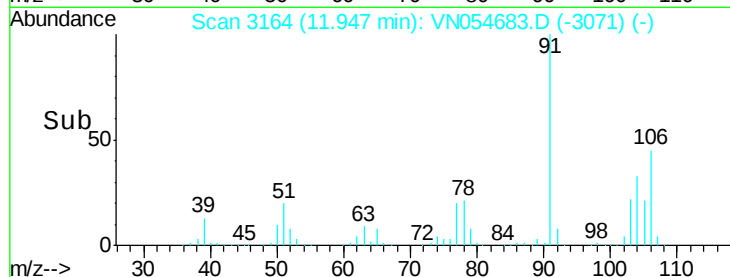
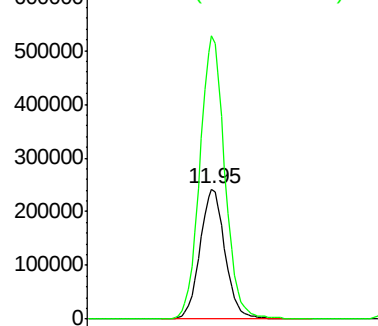
Tot Ion:106 Resp: 411640
Ion Ratio Lower Upper
106 100
91 216.5 105.7 317.1

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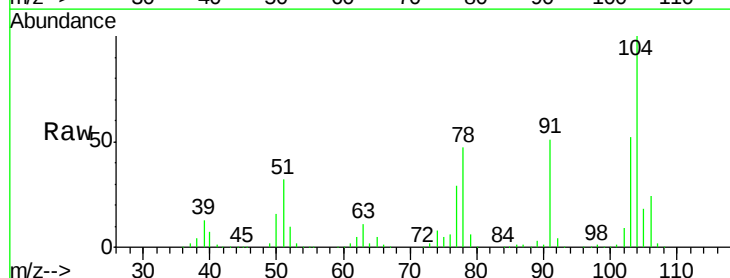


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

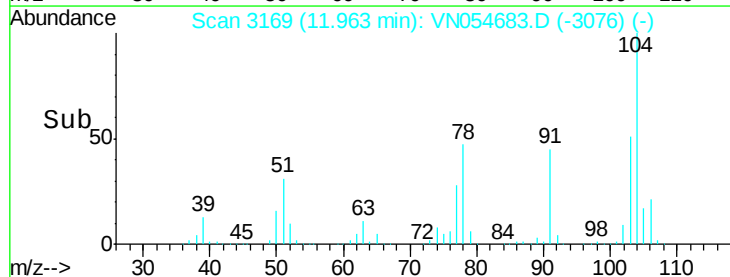
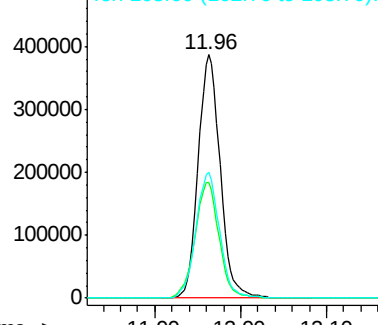


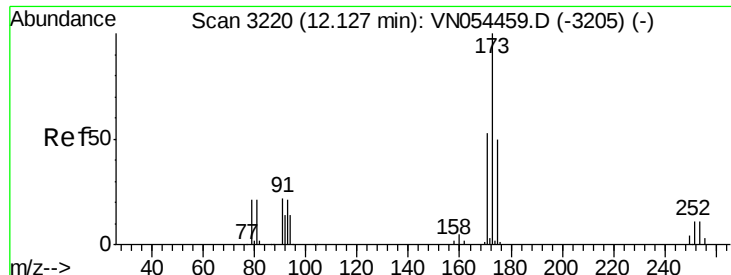
#70
Styrene
Concen: 50.681 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN054683.D
Acq: 25 Mar 2019 19:50

Tgt Ion:104 Resp: 688616
Ion Ratio Lower Upper
104 100
78 51.7 38.2 57.2
103 55.5 44.4 66.6



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V





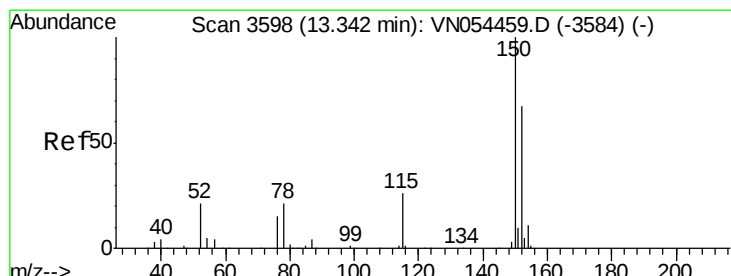
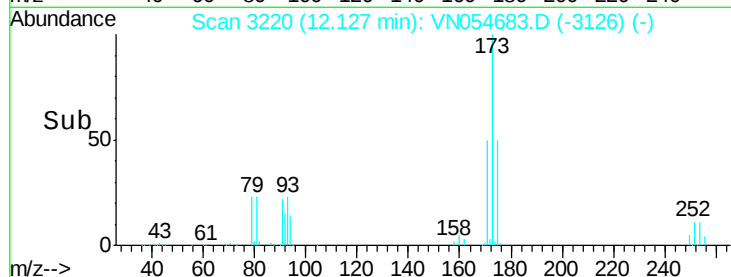
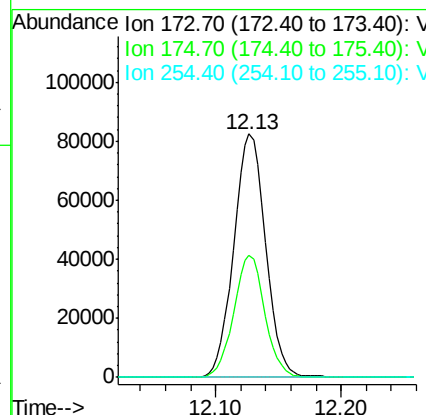
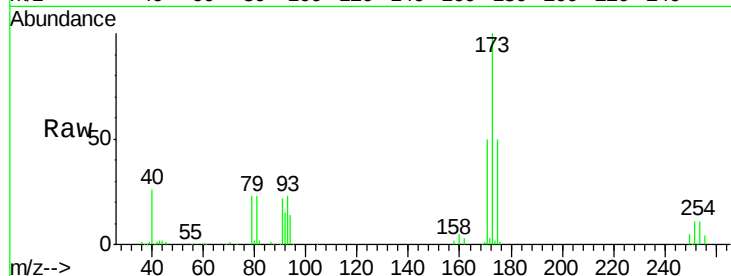
#71
Bromoform
Concen: 46.127 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN054683.D
Acq: 25 Mar 2019 19:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.4	73.2
254	0.0	0.1	0.1#

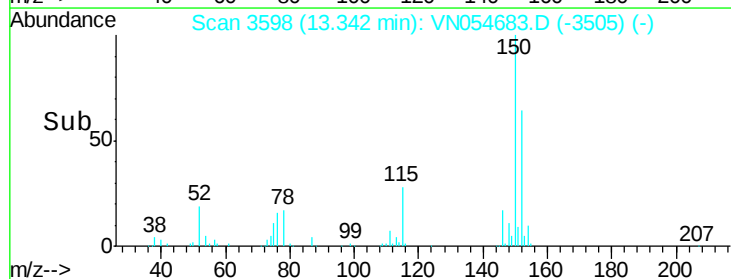
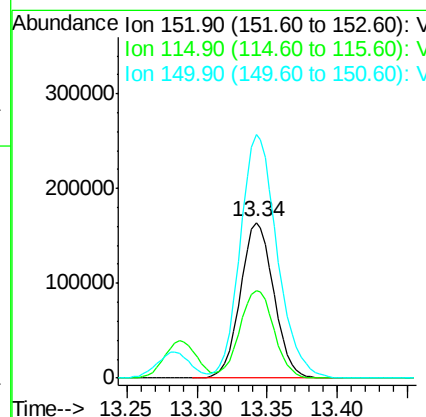
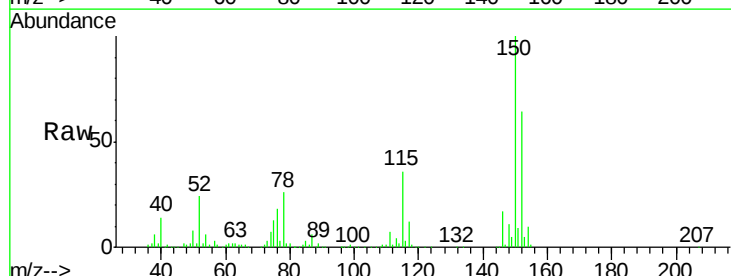
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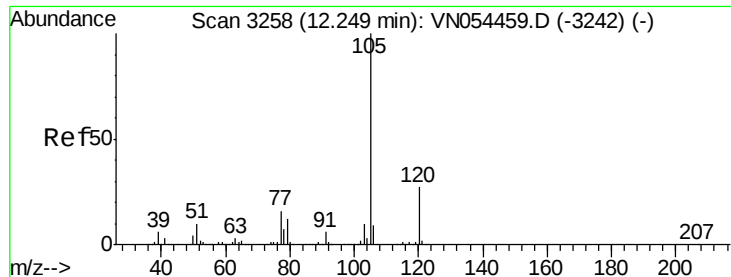
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN054683.D
Acq: 25 Mar 2019 19:50

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.9	27.2	81.6
150	173.4	0.0	349.2





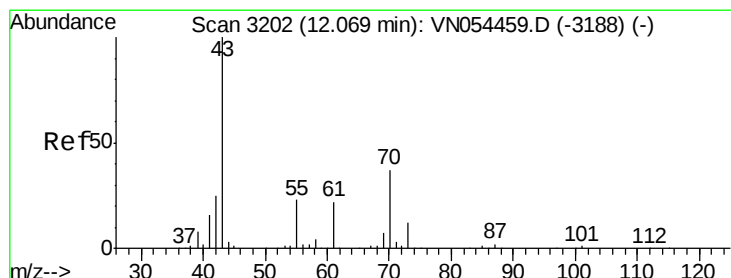
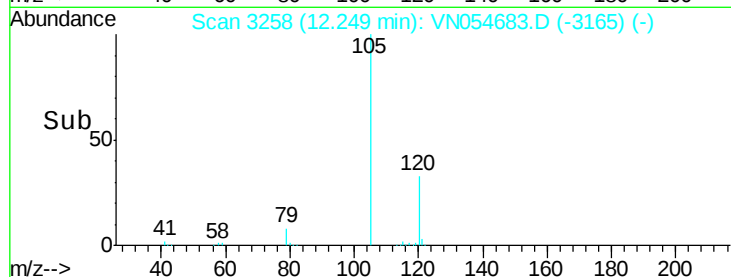
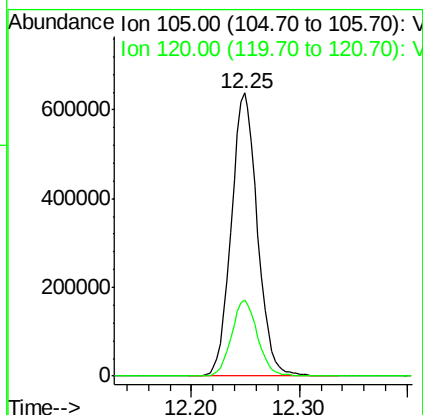
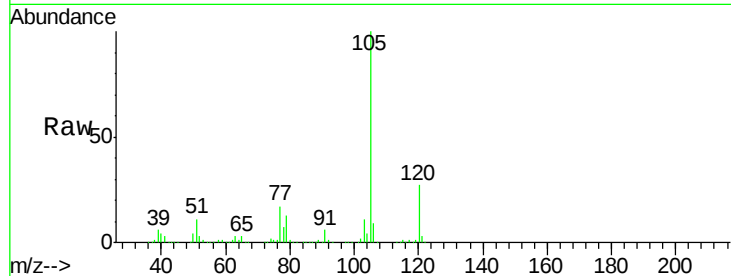
#73
Isopropylbenzene
Concen: 49.005 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN054683.D
Acq: 25 Mar 2019 19:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 105 Resp: 1076057
Ion Ratio Lower Upper
105 100
120 26.7 13.8 41.3

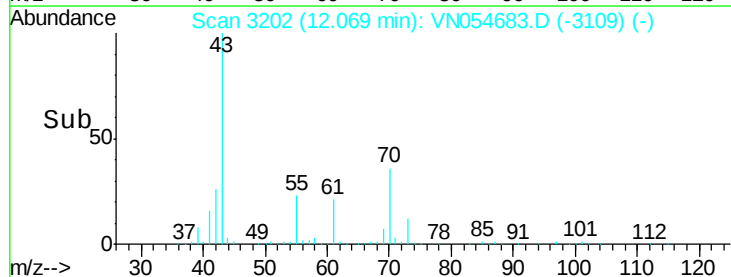
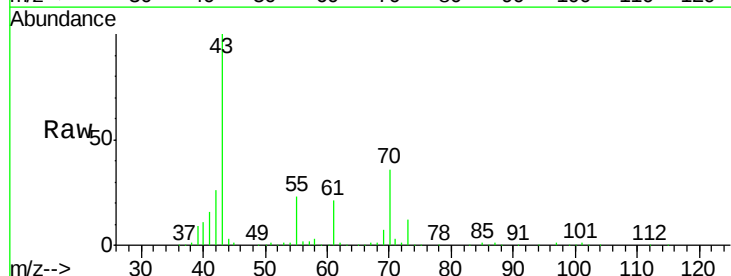
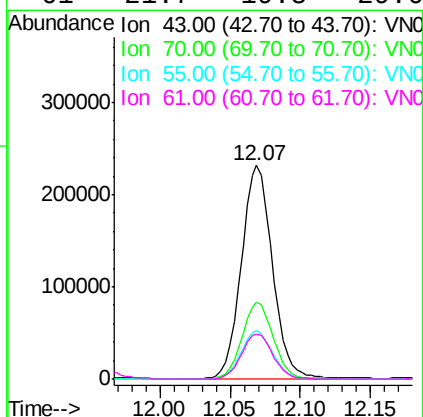
Manual Integrations
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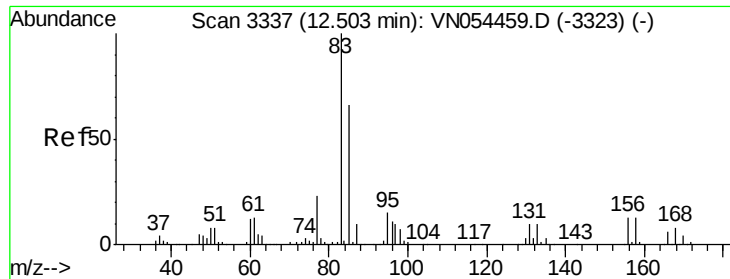
MMDadoda
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#74
N-ethyl acetate
Concen: 56.564 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN054683.D
Acq: 25 Mar 2019 19:50

Tgt Ion: 43 Resp: 357130
Ion Ratio Lower Upper
43 100
70 36.5 35.4 53.0
55 23.1 19.8 29.6
61 21.7 19.8 29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 53.477 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN054683.D

Acq: 25 Mar 2019 19:50

Instrument :

MSVOA_N

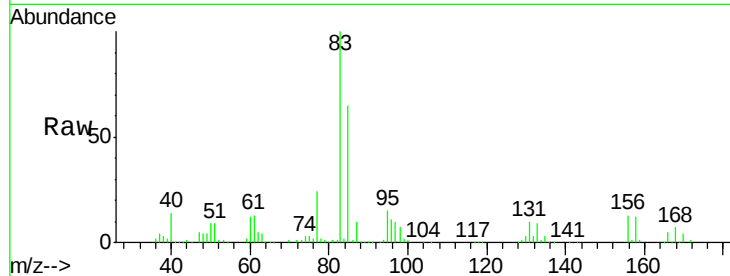
ClientSampleId :

VSTDCCC050EC

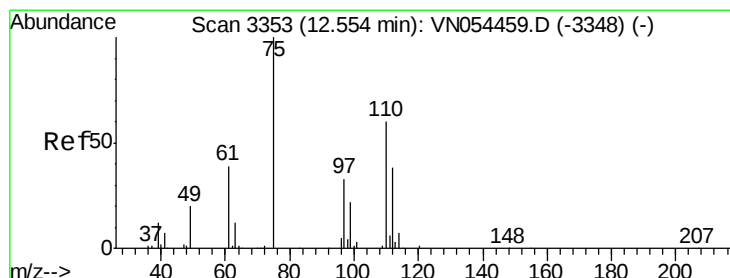
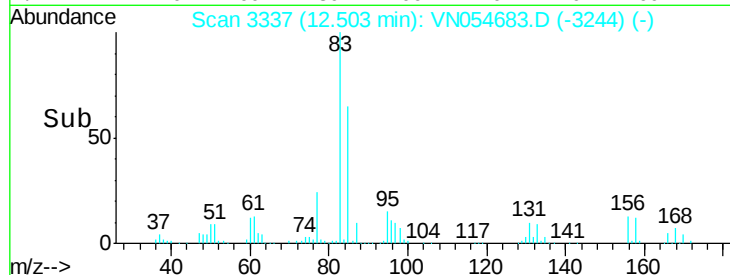
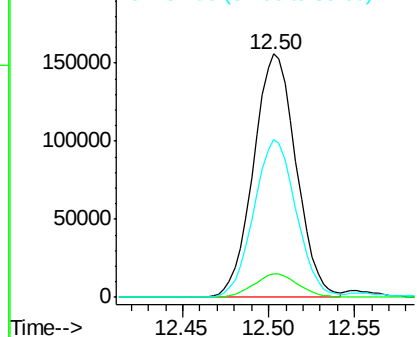
Tot Ion:	83	Resp:	268052
Ion Ratio	Lower	Upper	
83	100		
131	10.1	5.8	17.4
85	64.3	32.2	96.6

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VNC
Ion 130.80 (130.50 to 131.50): VNC
Ion 84.90 (84.60 to 85.60): VNC



#76

1,2,3-Trichloropropane

Concen: 55.456 ug/l m

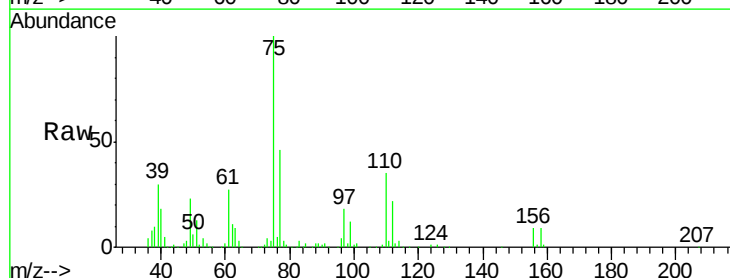
RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

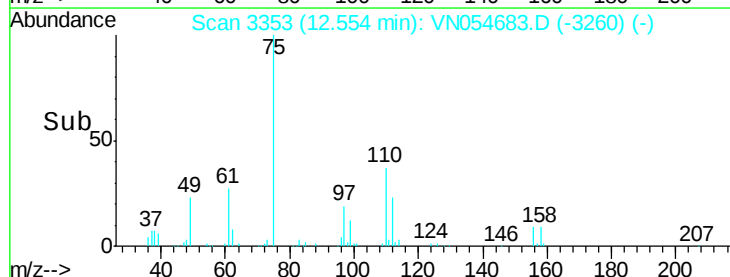
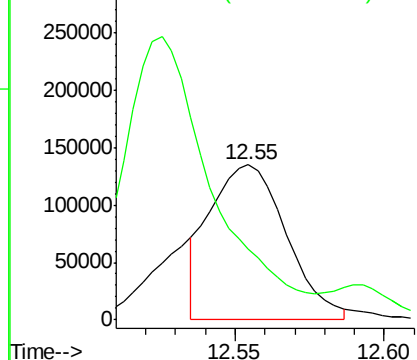
Lab File: VN054683.D

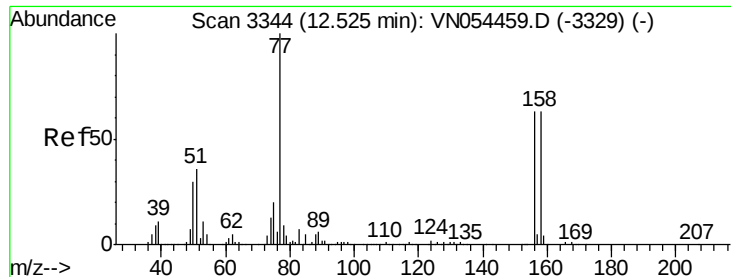
Acq: 25 Mar 2019 19:50

Tgt Ion:	75	Resp:	239792
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



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





#77

Bromobenzene

Concen: 48.954 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN054683.D

Acq: 25 Mar 2019 19:50

Instrument :

MSVOA_N

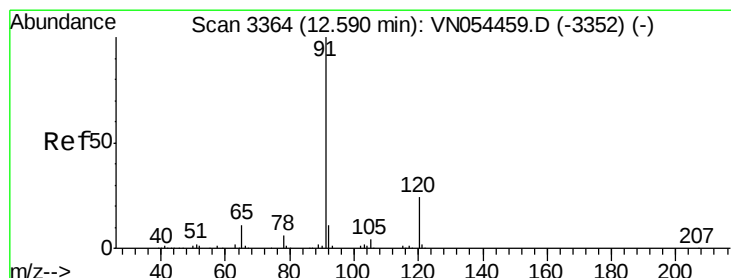
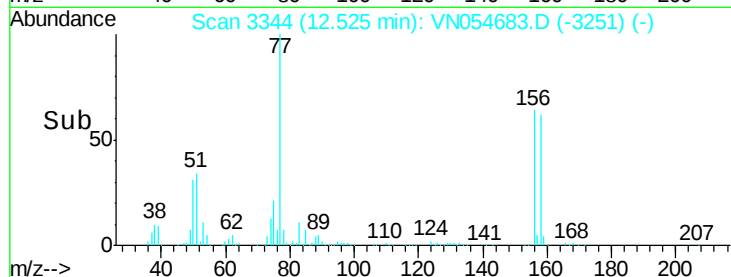
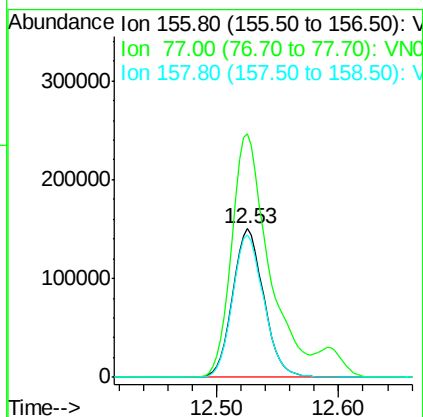
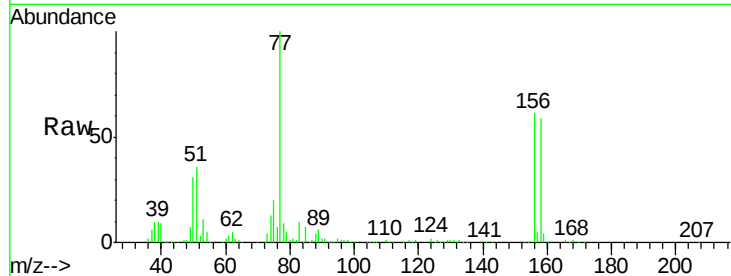
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	266595
Ion Ratio	Lower	Upper	
156	100		
77	194.8	81.5	244.4
158	96.9	49.0	147.2

Manual Integrations
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#78

n-propylbenzene

Concen: 50.429 ug/l

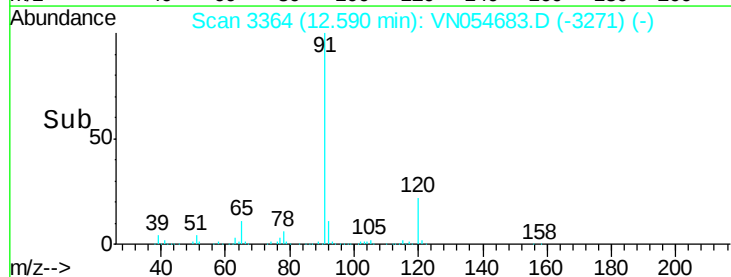
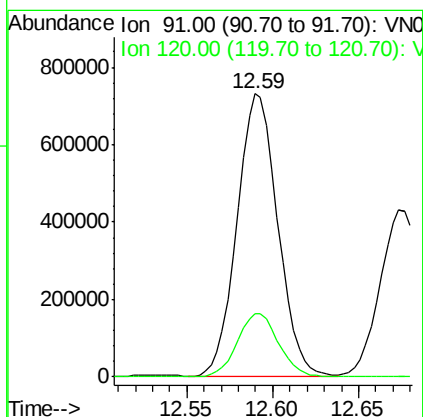
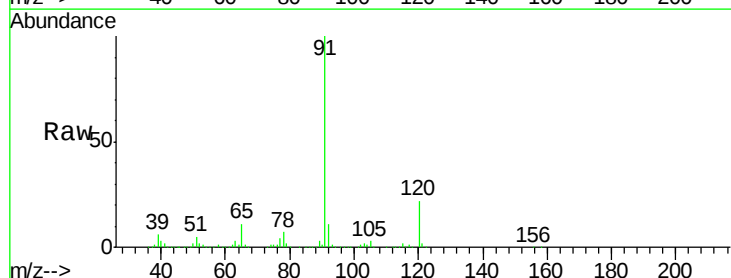
RT: 12.59 min Scan# 3364

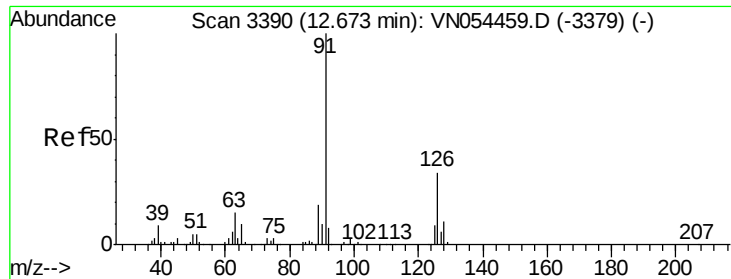
Delta R.T. -0.00 min

Lab File: VN054683.D

Acq: 25 Mar 2019 19:50

Tgt Ion:	91	Resp:	1200724
Ion Ratio	Lower	Upper	
91	100		
120	22.8	12.3	36.9





#79

2-Chlorotoluene

Concen: 49.355 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN054683.D

Acq: 25 Mar 2019 19:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 732816

Ion Ratio Lower Upper

91 100

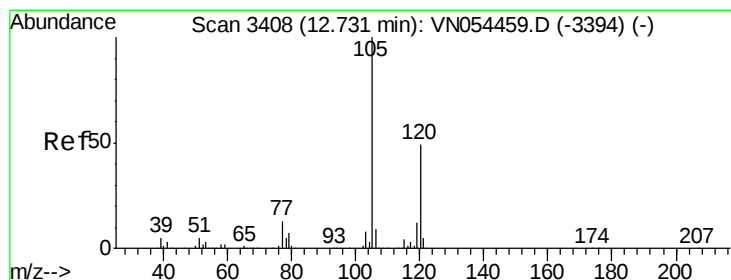
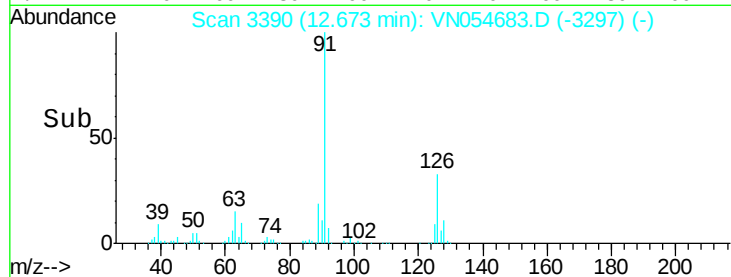
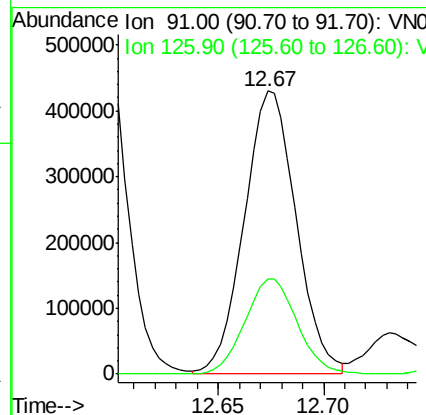
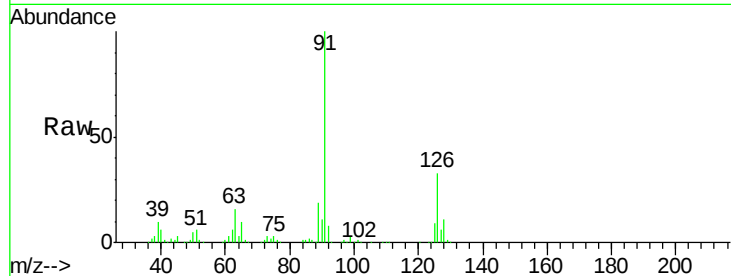
126 34.2 18.7 56.1

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 49.174 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054683.D

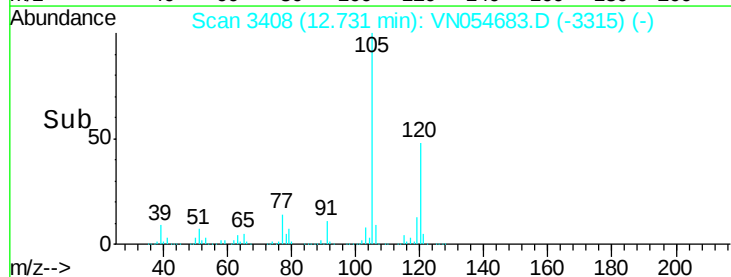
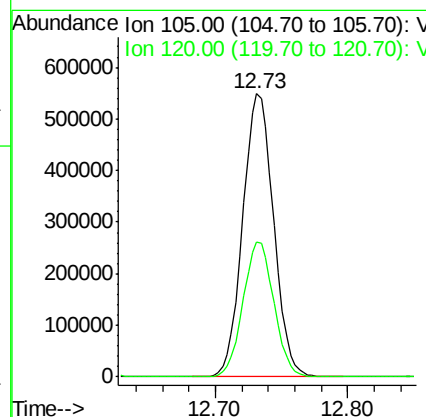
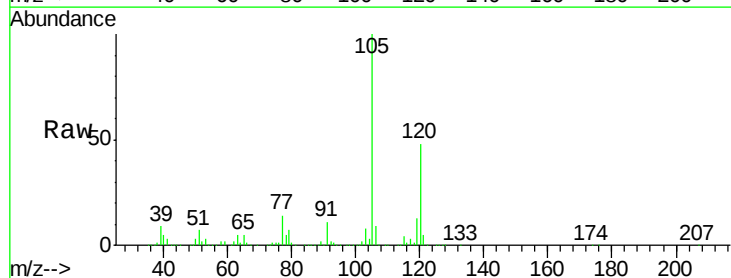
Acq: 25 Mar 2019 19:50

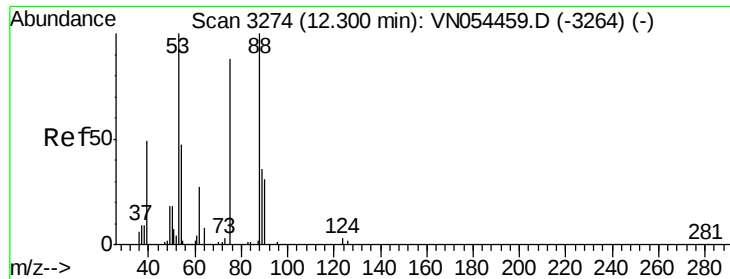
Tgt Ion: 105 Resp: 884950

Ion Ratio Lower Upper

105 100

120 47.9 25.0 75.0





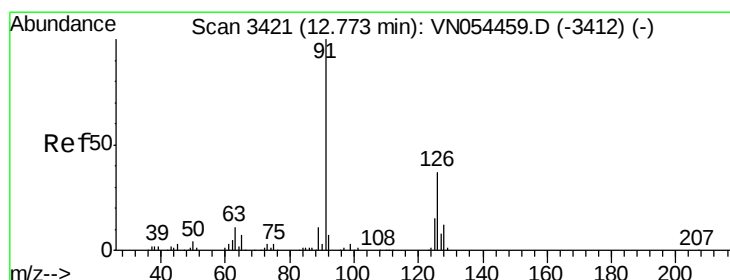
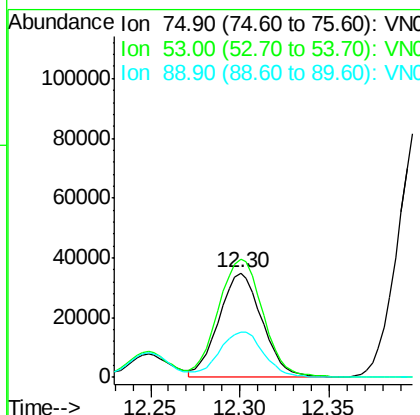
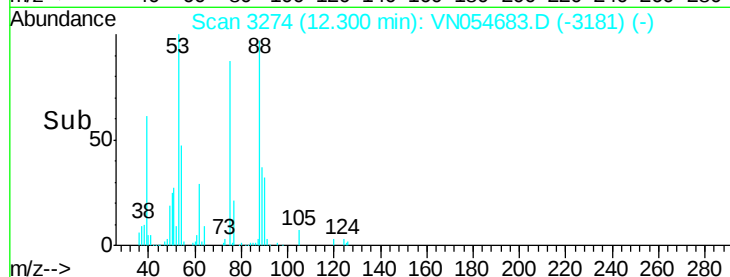
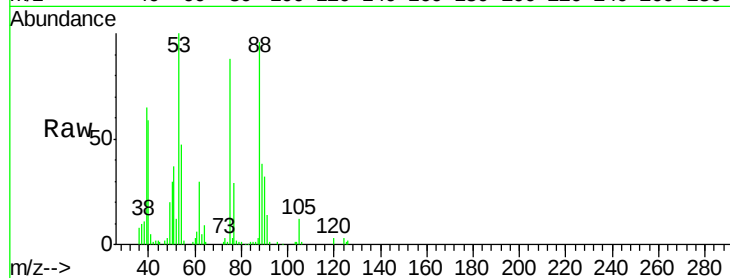
#81
trans-1,4-Dichloro-2-butene
Concen: 46.169 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN054683.D
Acq: 25 Mar 2019 19:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	121.1	76.2	114.2#
89	45.5	39.2	58.8

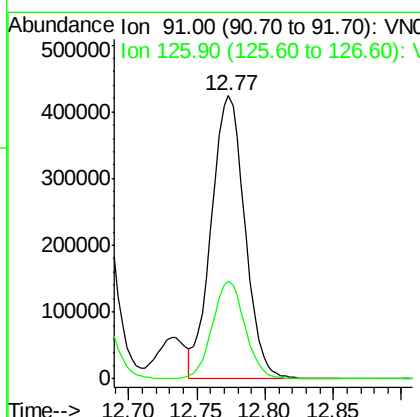
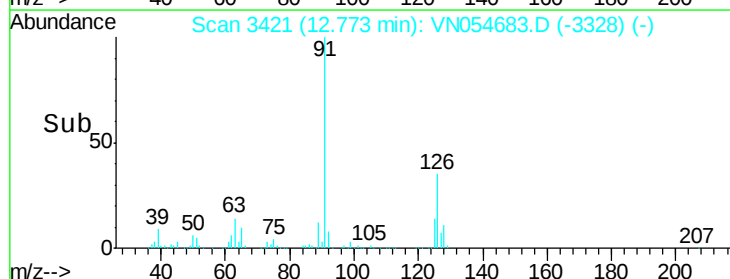
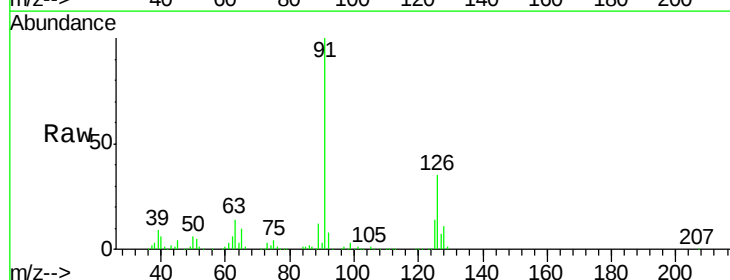
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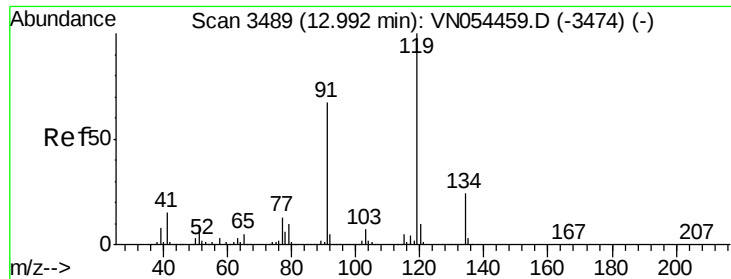
MMDadoda
3/26/2019 12:33:15 PM



#82
4-Chlorotoluene
Concen: 50.216 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN054683.D
Acq: 25 Mar 2019 19:50

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.7	18.1	54.1





#83

tert-Butylbenzene

Concen: 48.336 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. -0.00 min

Lab File: VN054683.D

Acq: 25 Mar 2019 19:50

Instrument :

MSVOA_N

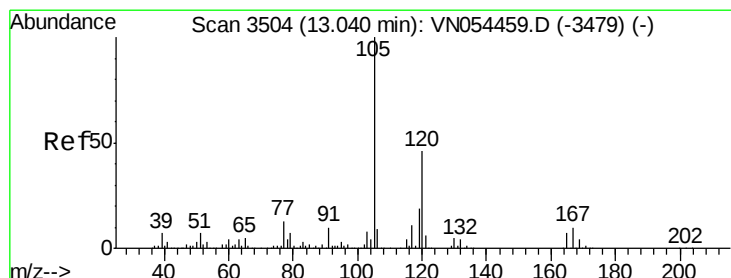
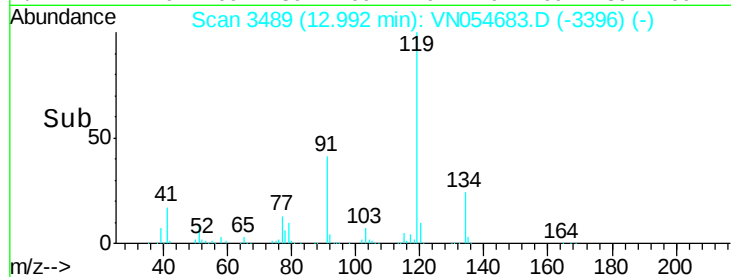
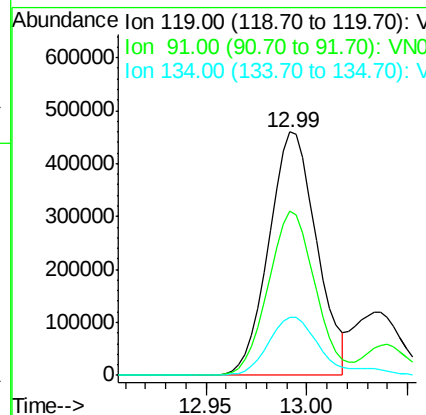
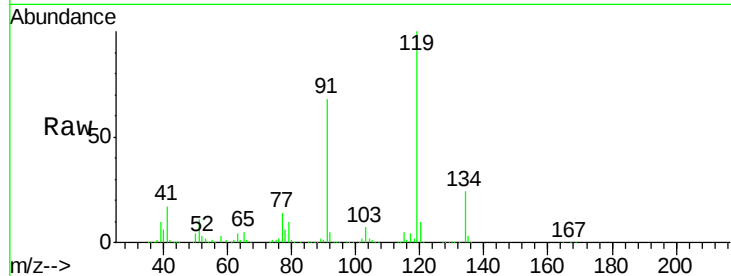
ClientSampleId :

VSTDCCC050EC

Tot Ion:	119	Resp:	757184
Ion Ratio	Lower	Upper	
119	100		
91	66.3	30.9	92.8
134	26.6	13.2	39.6

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 49.306 ug/l

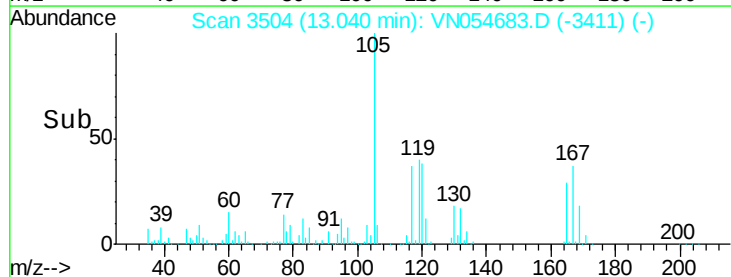
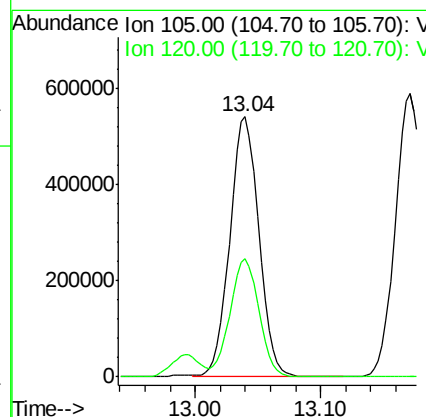
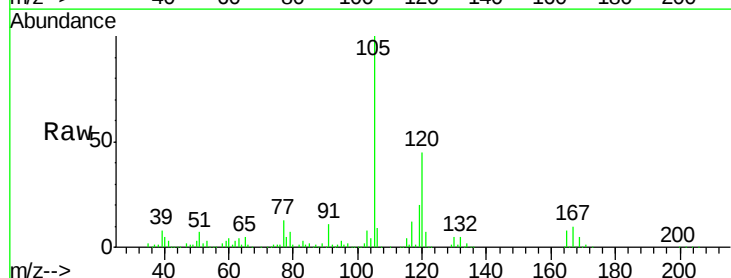
RT: 13.04 min Scan# 3504

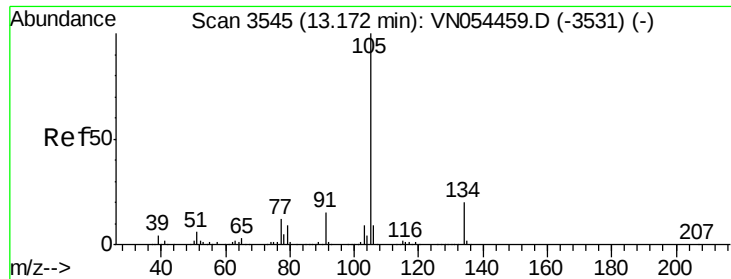
Delta R.T. 0.00 min

Lab File: VN054683.D

Acq: 25 Mar 2019 19:50

Tgt Ion:	105	Resp:	870663
Ion Ratio	Lower	Upper	
105	100		
120	45.3	23.4	70.3





#85

sec-Butylbenzene

Concen: 49.301 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN054683.D

Acq: 25 Mar 2019 19:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 962740

Ion Ratio Lower Upper

105 100

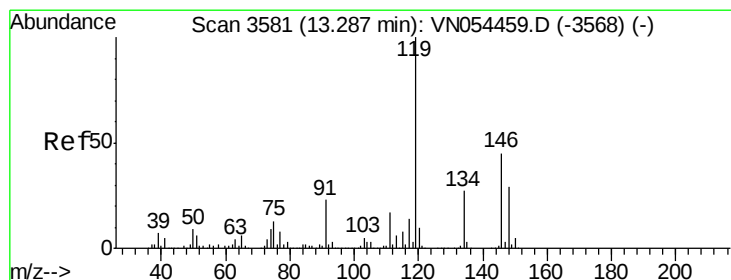
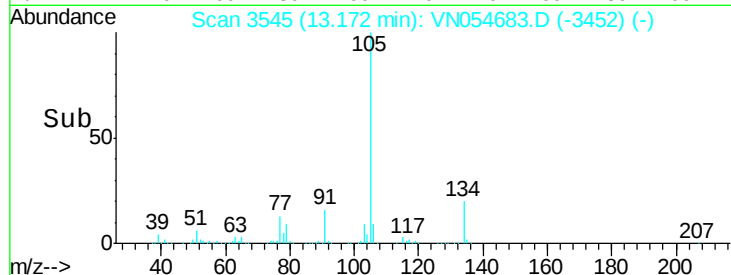
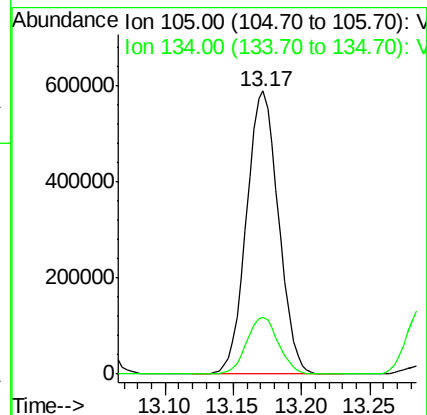
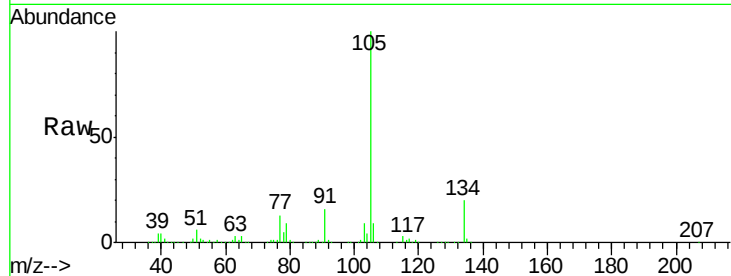
134 20.0 10.7 32.1

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 49.242 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN054683.D

Acq: 25 Mar 2019 19:50

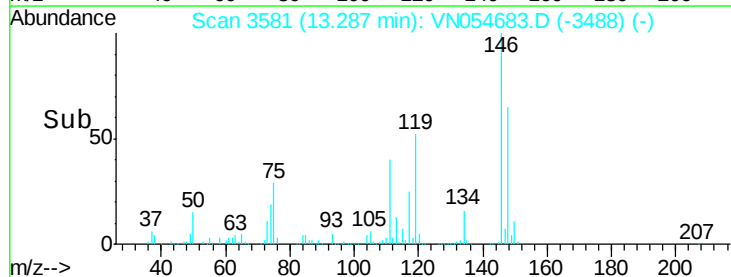
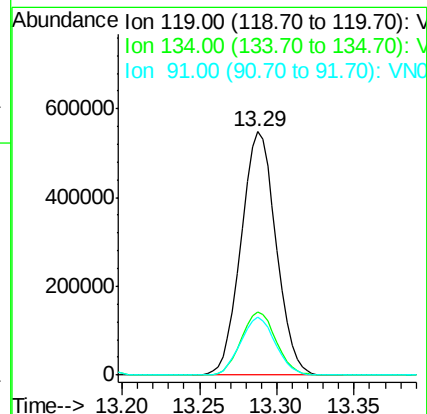
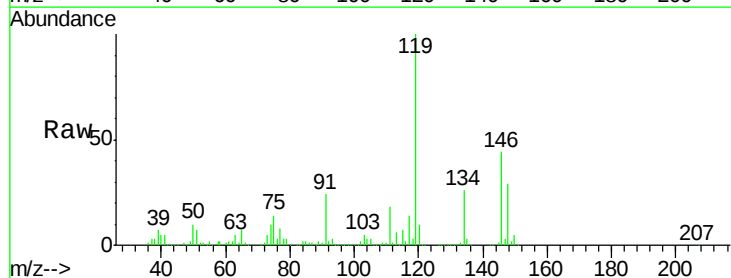
Tgt Ion:119 Resp: 860287

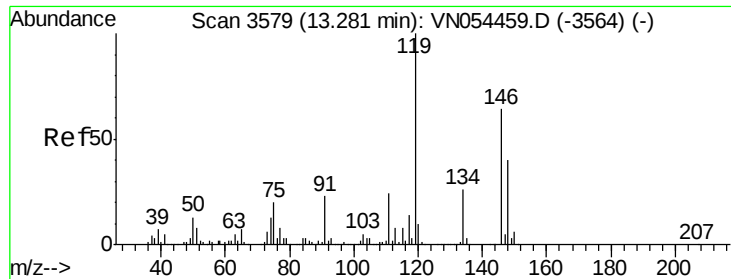
Ion Ratio Lower Upper

119 100

134 26.0 13.6 40.8

91 23.6 11.1 33.3





#87

1,3-Dichlorobenzene

Concen: 49.394 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN054683.D

Acq: 25 Mar 2019 19:50

Instrument :

MSVOA_N

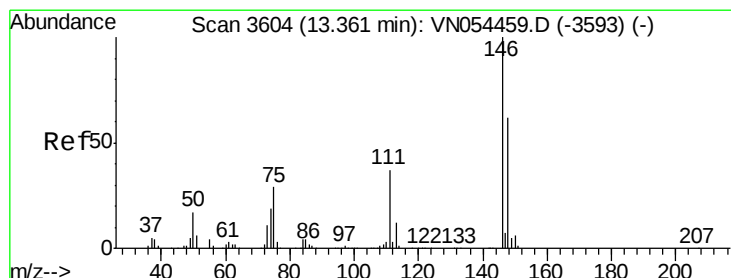
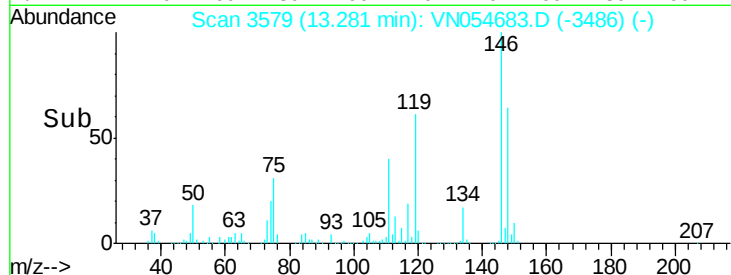
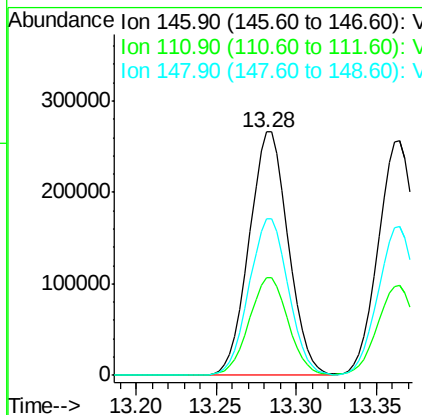
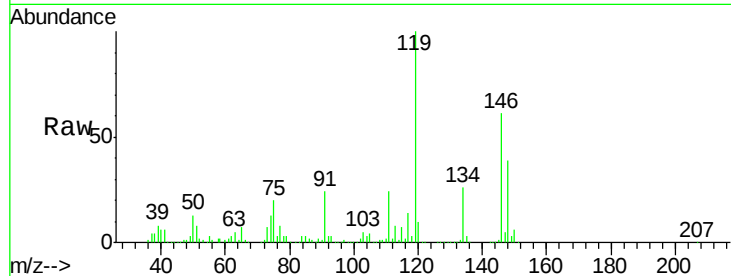
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	445767
Ion Ratio	Lower	Upper	
146	100		
111	40.0	18.8	56.3
148	64.7	32.2	96.6

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 49.354 ug/l

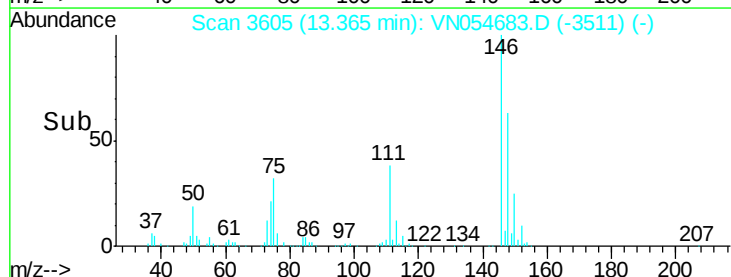
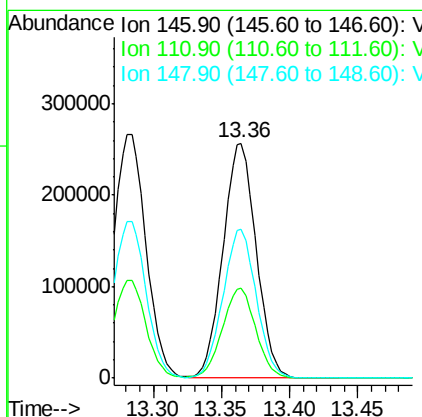
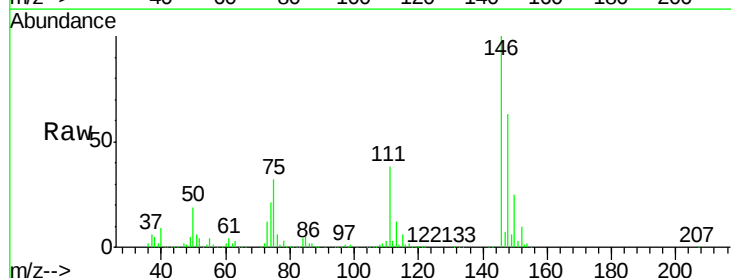
RT: 13.36 min Scan# 3605

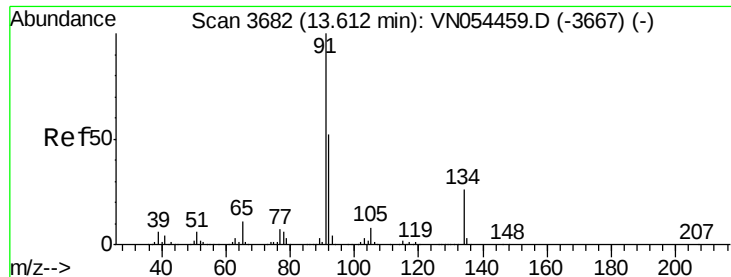
Delta R.T. 0.00 min

Lab File: VN054683.D

Acq: 25 Mar 2019 19:50

Tgt Ion:	146	Resp:	433359
Ion Ratio	Lower	Upper	
146	100		
111	38.4	18.1	54.1
148	63.5	32.0	96.0





#89

n-Butylbenzene

Concen: 50.728 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN054683.D

Acq: 25 Mar 2019 19:50

Instrument :

MSVOA_N

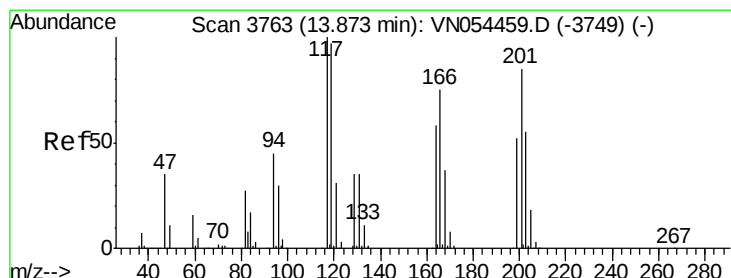
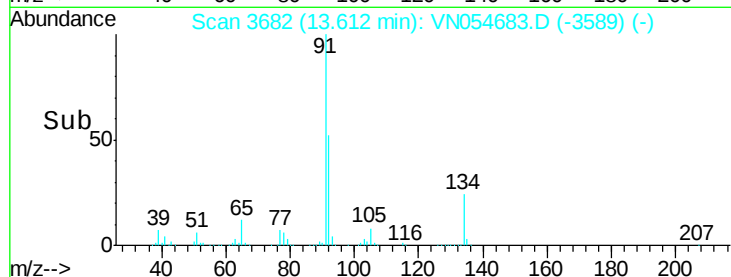
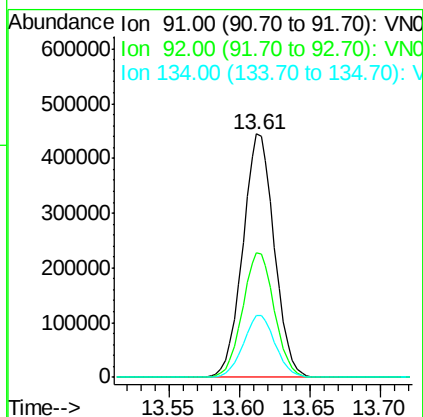
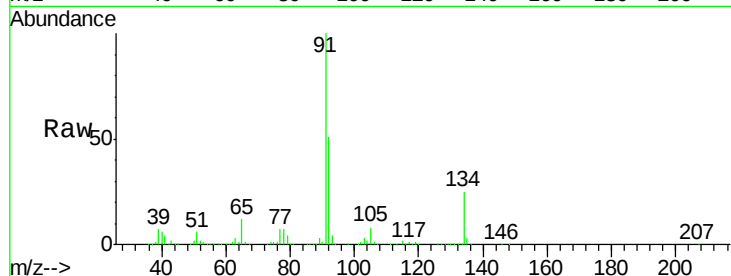
ClientSampleId :

VSTDCCC050EC

Tot Ion:	91	Resp:	692983
Ion	Ratio	Lower	Upper
91	100		
92	51.9	26.2	78.6
134	25.7	14.3	42.9

Manual Integrations
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#90

Hexachloroethane

Concen: 54.599 ug/l

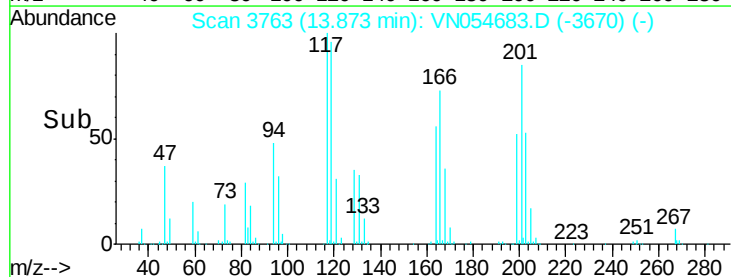
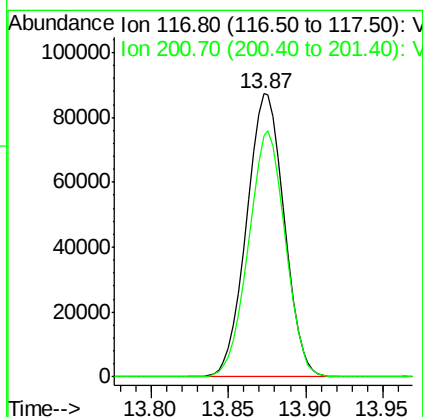
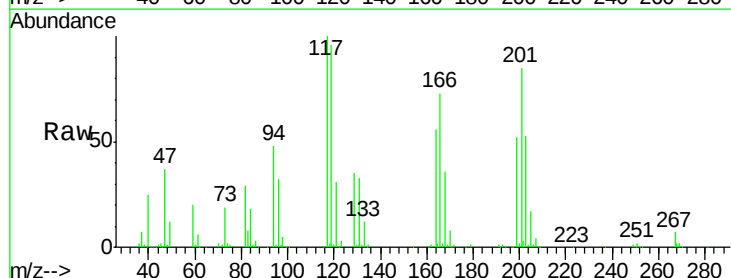
RT: 13.87 min Scan# 3763

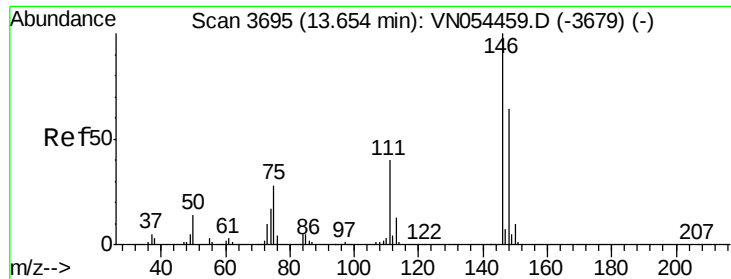
Delta R.T. 0.00 min

Lab File: VN054683.D

Acq: 25 Mar 2019 19:50

Tgt Ion:	117	Resp:	148064
Ion	Ratio	Lower	Upper
117	100		
201	84.9	48.1	144.4





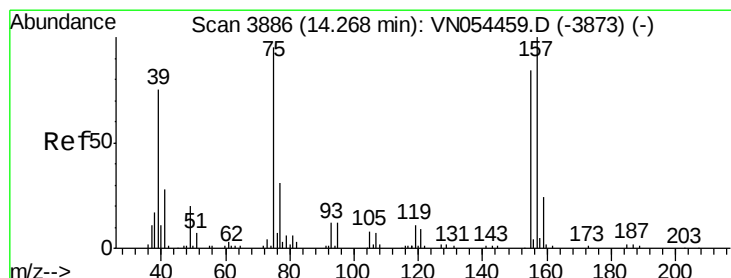
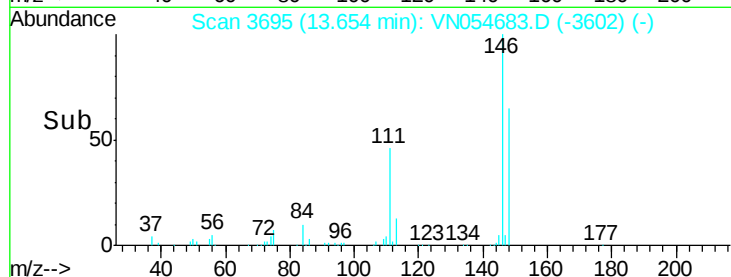
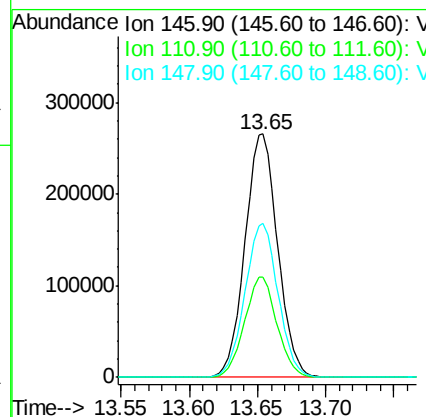
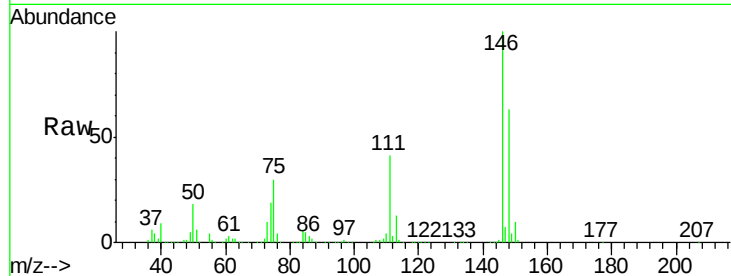
#91
 1,2-Dichlorobenzene
 Concen: 50.500 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN054683.D
 Acq: 25 Mar 2019 19:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.8	19.1	57.3
148	63.9	32.4	97.0

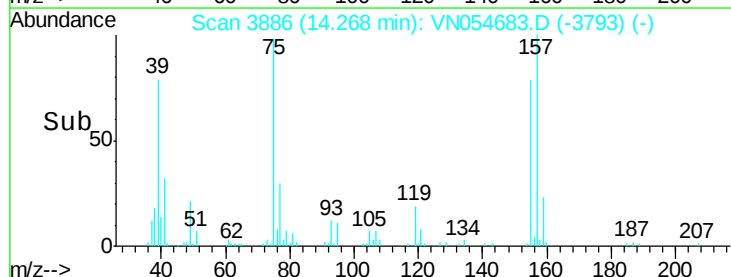
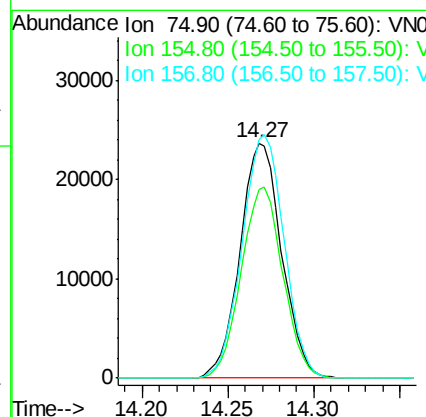
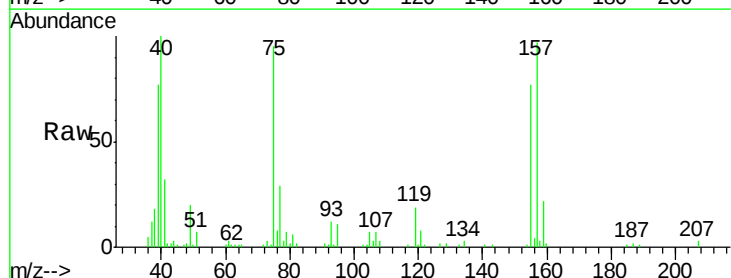
Manual Integrations
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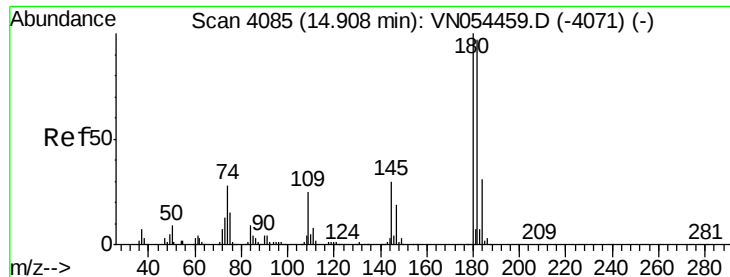
MMDadoda
 3/26/2019 12:33:15 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.134 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN054683.D
 Acq: 25 Mar 2019 19:50

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.0	50.1	150.3
157	104.5	63.1	189.3





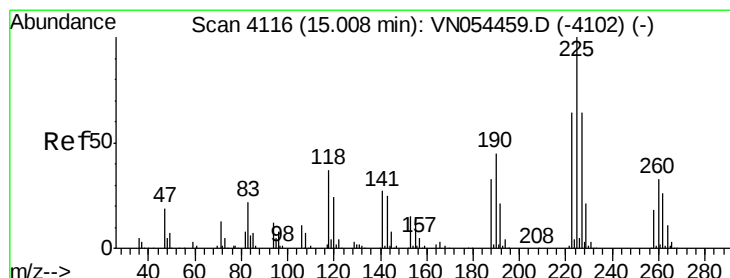
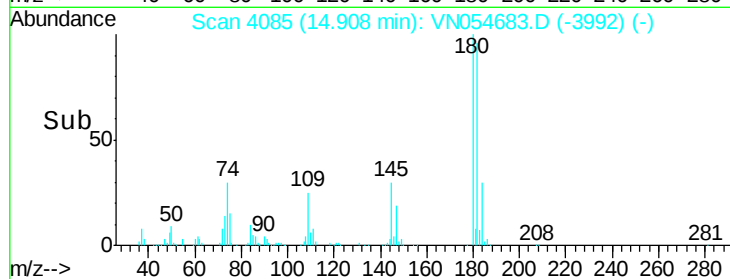
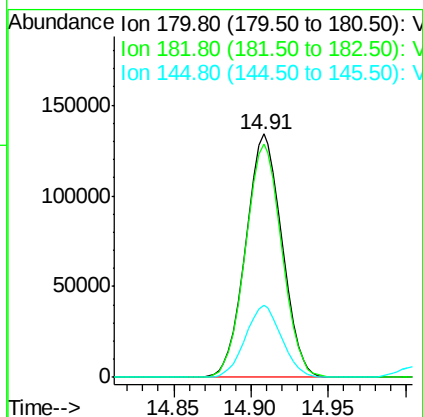
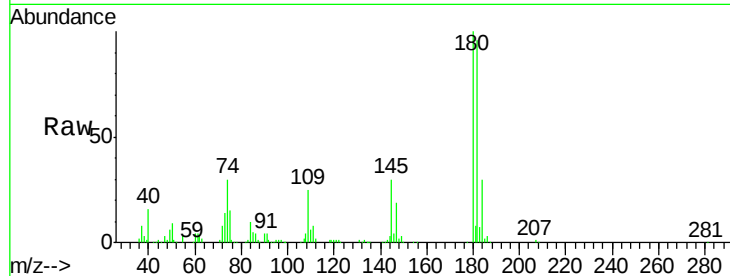
#93
 1,2,4-Trichlorobenzene
 Concen: 50.202 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN054683.D
 Acq: 25 Mar 2019 19:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	218760		
182	96.3	48.0	144.2	
145	29.7	14.2	42.8	

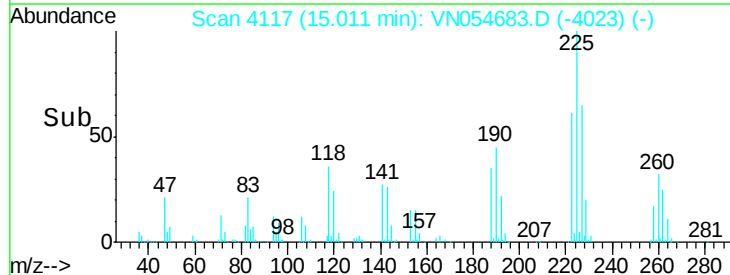
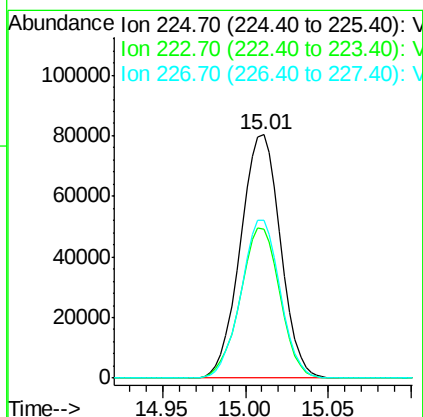
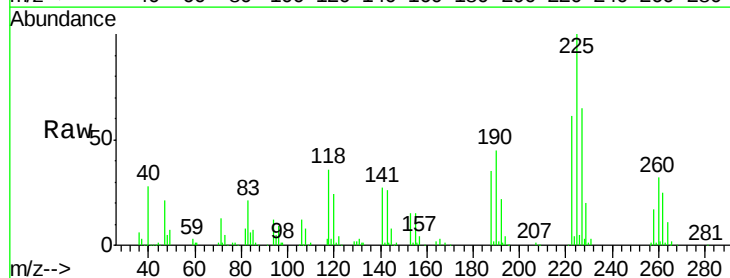
Manual Integrations
 APPROVED

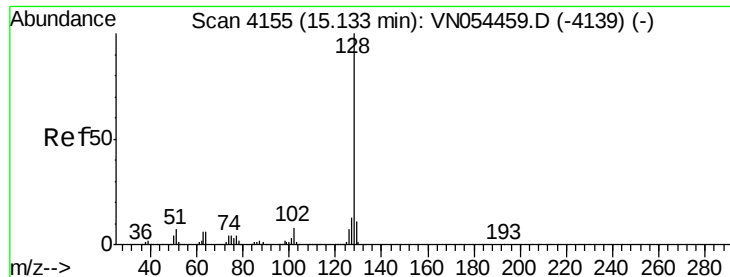
MMDadoda
 3/26/2019 12:33:15 PM



#94
 Hexachlorobutadiene
 Concen: 55.549 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN054683.D
 Acq: 25 Mar 2019 19:50

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	135325		
223	60.9	31.1	93.5	
227	63.5	31.9	95.9	





#95

Naphthalene

Concen: 50.182 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN054683.D

Acq: 25 Mar 2019 19:50

Instrument :

MSVOA_N

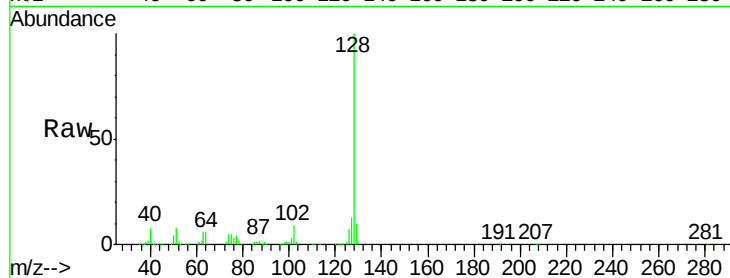
ClientSampleId :

VSTDCCC050EC

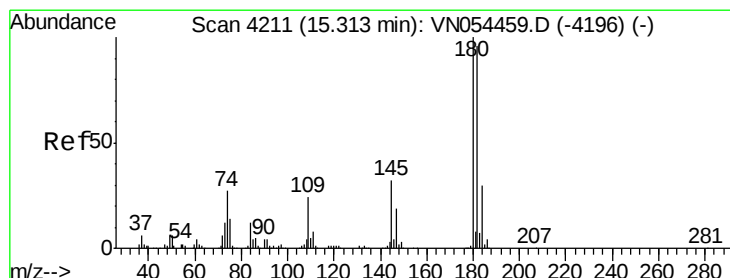
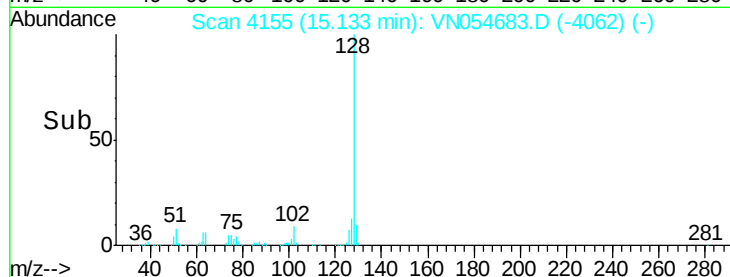
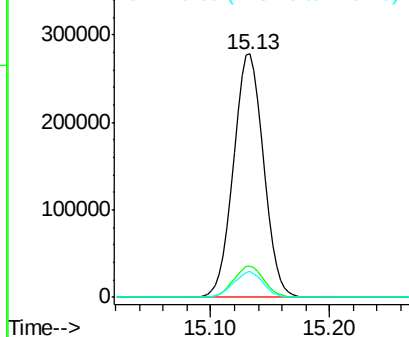
Tot Ion:	128	Resp:	487757
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.1	15.1
129	10.4	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
3/26/2019 12:33:15 PM



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



#96

1,2,3-Trichlorobenzene

Concen: 49.798 ug/l

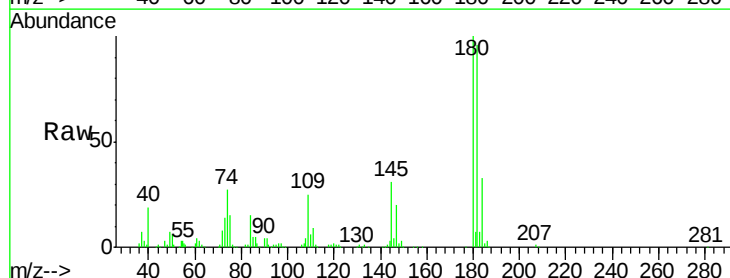
RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN054683.D

Acq: 25 Mar 2019 19:50

Tgt Ion:	180	Resp:	215974
Ion Ratio	Lower	Upper	
180	100		
182	95.6	47.5	142.6
145	30.9	14.8	44.3



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

