

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021519\
 Data File : VN053815.D
 Acq On : 15 Feb 2019 22:26
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 2/18/2019 9:48:45 AM

Quant Time: Feb 16 00:23:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N013019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 01 09:11:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	610710	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	951094	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	839777	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	408152	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	316877	51.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.44%	
35) Dibromofluoromethane	7.59	113	309534	51.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.02%	
50) Toluene-d8	10.09	98	1121686	49.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.42%	
62) 4-Bromofluorobenzene	12.40	95	380249	50.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.06%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	295323	42.942	ug/l 100
3) Chloromethane	2.06	50	346574	47.801	ug/l 99
4) Vinyl Chloride	2.19	62	354611	50.384	ug/l 100
5) Bromomethane	2.57	94	244700	53.173	ug/l 97
6) Chloroethane	2.71	64	222323	55.277	ug/l 97
7) Trichlorofluoromethane	3.02	101	494409	51.801	ug/l 99
8) Diethyl Ether	3.41	74	170690	48.969	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	3.76	101	284416	48.184	ug/l 97
10) Methyl Iodide	3.96	142	425092	45.883	ug/l 100
11) Tert butyl alcohol	4.77	59	96761	266.863	ug/l 98
12) 1,1-Dichloroethene	3.74	96	267933	47.377	ug/l 98
13) Acrolein	3.61	56	45190	228.911	ug/l 100
14) Allyl chloride	4.33	41	427584	47.486	ug/l 98
15) Acrylonitrile	4.99	53	522745	267.057	ug/l 99
16) Acetone	3.81	43	337865	214.997	ug/l 97
17) Carbon Disulfide	4.06	76	711576	40.409	ug/l 100
18) Methyl Acetate	4.33	43	269040	57.808	ug/l 97
19) Methyl tert-butyl Ether	5.04	73	767732	53.551	ug/l 99
20) Methylene Chloride	4.55	84	313978	47.623	ug/l 98
21) trans-1,2-Dichloroethene	5.05	96	289359	47.426	ug/l 98
22) Diisopropyl ether	5.95	45	867162	51.974	ug/l 95
23) Vinyl Acetate	5.90	43	2919975	252.984	ug/l 98
24) 1,1-Dichloroethane	5.85	63	549221	49.353	ug/l 100
25) 2-Butanone	6.83	43	550447	245.594	ug/l 98
26) 2,2-Dichloropropane	6.83	77	377348	44.420	ug/l 98
27) cis-1,2-Dichloroethene	6.83	96	338981	49.964	ug/l 97
28) Bromochloromethane	7.19	49	248923	51.544	ug/l 94
29) Tetrahydrofuran	7.21	42	380050	264.071	ug/l 98
30) Chloroform	7.37	83	555253	50.333	ug/l 100
31) Cyclohexane	7.65	56	462870	44.656	ug/l 97
32) 1,1,1-Trichloroethane	7.57	97	463034	50.436	ug/l 100
36) 1,1-Dichloropropene	7.79	75	397336	46.345	ug/l 98
37) Ethyl Acetate	6.93	43	248125	51.819	ug/l 98
38) Carbon Tetrachloride	7.78	117	415841	48.147	ug/l 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	464468	45.663	ug/l	98
40) Benzene	8.04	78	1254739	47.459	ug/l	100
41) Methacrylonitrile	7.17	41	135047	50.462	ug/l	91
42) 1,2-Dichloroethane	8.12	62	379995	48.406	ug/l	99
43) Isopropyl Acetate	8.16	43	448820	48.535	ug/l	99
44) Trichloroethene	8.84	130	346242	46.001	ug/l	97
45) 1,2-Dichloropropane	9.12	63	343480	50.794	ug/l	99
46) Dibromomethane	9.21	93	199519	48.945	ug/l	97
47) Bromodichloromethane	9.40	83	425195	50.167	ug/l	98
48) Methyl methacrylate	9.20	41	211062	47.815	ug/l	92
49) 1,4-Dioxane	9.20	88	63342	990.703	ug/l	92
51) 4-Methyl-2-Pentanone	9.99	43	1201671	264.443	ug/l	100
52) Toluene	10.16	92	760382	48.459	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	413265	48.693	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	487081	48.432	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	288088	50.951	ug/l	98
56) Ethyl methacrylate	10.43	69	351169	52.501	ug/l	99
57) 1,3-Dichloropropane	10.71	76	480883	49.764	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	781849	190.447	ug/l	98
59) 2-Hexanone	10.75	43	751214	243.514	ug/l	99
60) Dibromochloromethane	10.90	129	339273	53.210	ug/l	100
61) 1,2-Dibromoethane	11.01	107	271615	48.535	ug/l	99
64) Tetrachloroethene	10.63	164	338108	46.968	ug/l	98
65) Chlorobenzene	11.44	112	846109	47.434	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	318700	51.158	ug/l	100
67) Ethyl Benzene	11.51	91	1406872	48.013	ug/l	99
68) m/p-Xylenes	11.62	106	1095243	97.934	ug/l	99
69) o-Xylene	11.95	106	535151	49.531	ug/l	99
70) Styrene	11.97	104	869196	49.635	ug/l	99
71) Bromoform	12.13	173	230387	53.943	ug/l #	99
73) Isopropylbenzene	12.25	105	1403767	48.924	ug/l	100
74) N-amyl acetate	12.07	43	344374	49.912	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	338018	49.225	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	298296m	56.900	ug/l	
77) Bromobenzene	12.53	156	375891	48.610	ug/l	97
78) n-propylbenzene	12.59	91	1605395	48.401	ug/l	100
79) 2-Chlorotoluene	12.68	91	955583	48.560	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1199507	50.414	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	87041	46.687	ug/l	98
82) 4-Chlorotoluene	12.77	91	969885	48.031	ug/l	100
83) tert-Butylbenzene	12.99	119	1065524	50.670	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1211063	49.960	ug/l	100
85) sec-Butylbenzene	13.17	105	1434947	50.144	ug/l	99
86) p-Isopropyltoluene	13.29	119	1264194	50.512	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	660730	47.531	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	646918	47.046	ug/l	99
89) n-Butylbenzene	13.62	91	1039883	48.003	ug/l	100
90) Hexachloroethane	13.88	117	218175	52.850	ug/l	95
91) 1,2-Dichlorobenzene	13.65	146	653116	49.077	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	50757	51.865	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	379576	49.731	ug/l	99
94) Hexachlorobutadiene	15.01	225	249229	52.433	ug/l	100
95) Naphthalene	15.13	128	783221	43.903	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	366489	51.749	ug/l	99

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

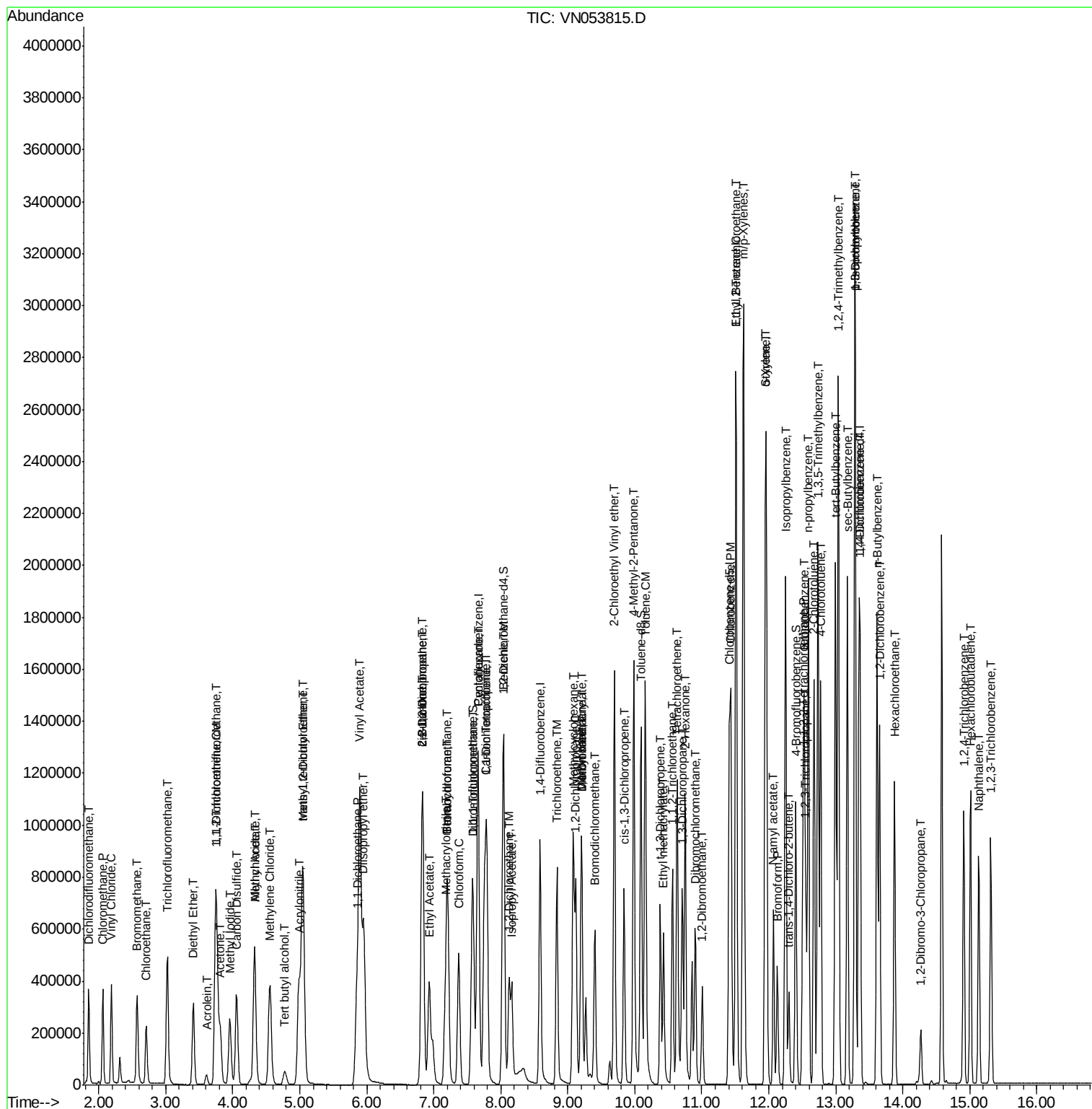
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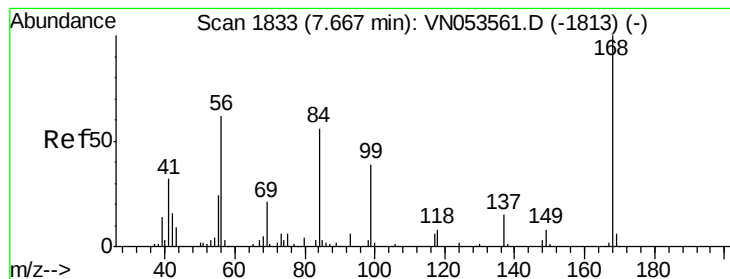
Instrument :
MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053815.D

Acq: 15 Feb 2019 22:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 610710

Ion Ratio Lower Upper

168 100

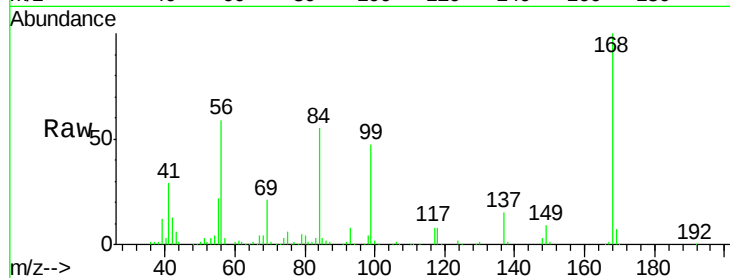
99 46.4 39.1 58.7

Manual Integrations

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2/18/2019 9:48:45 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

250000

200000

150000

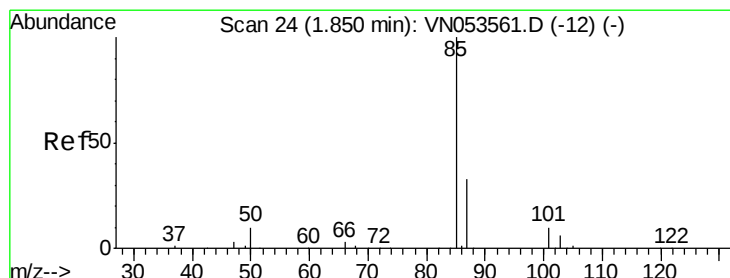
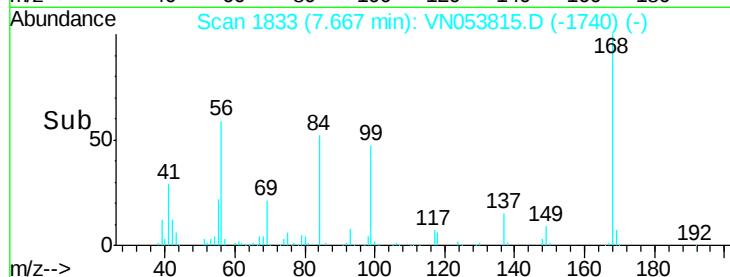
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 42.942 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053815.D

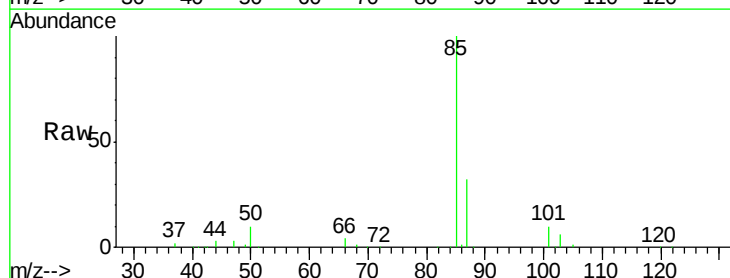
Acq: 15 Feb 2019 22:26

Tgt Ion: 85 Resp: 295323

Ion Ratio Lower Upper

85 100

87 32.2 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

250000

200000

150000

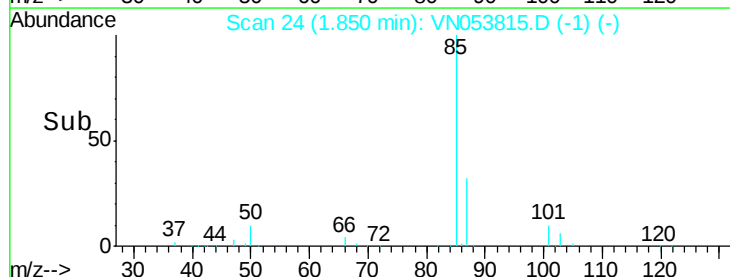
100000

50000

0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 47.801 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN053815.D

Acq: 15 Feb 2019 22:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 346574

Ion Ratio Lower Upper

50 100

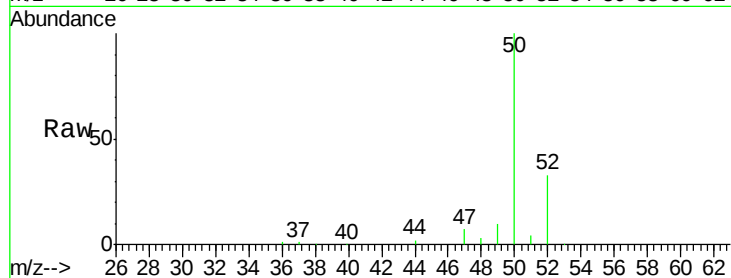
52 32.6 26.6 40.0

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.06

200000

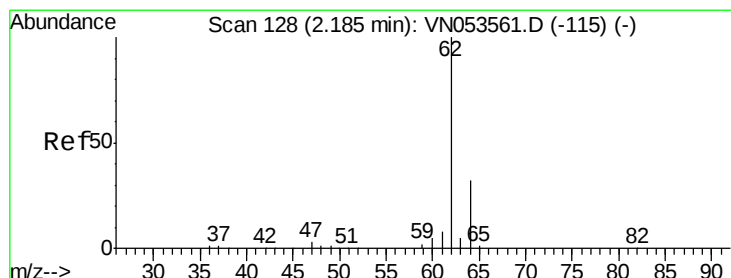
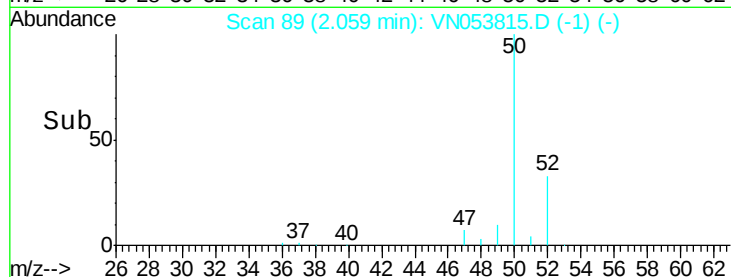
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 50.384 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN053815.D

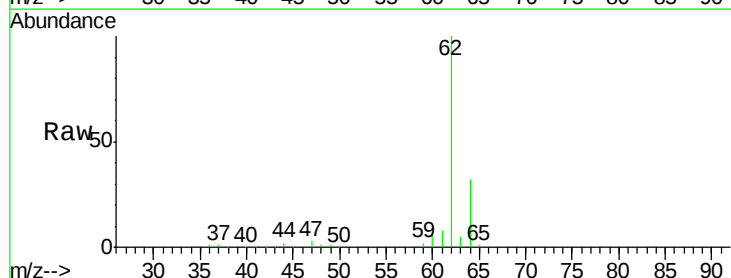
Acq: 15 Feb 2019 22:26

Tgt Ion: 62 Resp: 354611

Ion Ratio Lower Upper

62 100

64 31.6 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

2.19

250000

200000

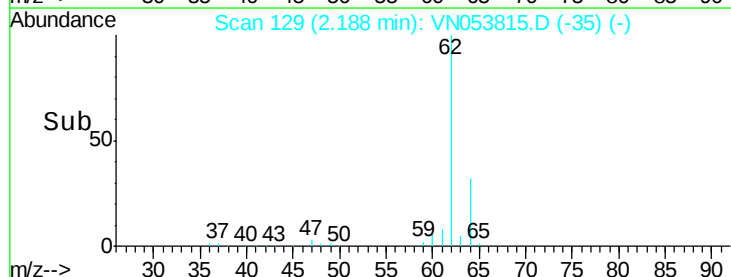
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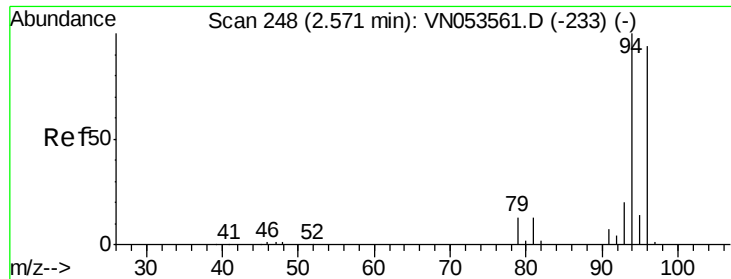
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50000

0

Time-->





#5

Bromomethane

Concen: 53.173 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN053815.D

Acq: 15 Feb 2019 22:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 244700

Ion Ratio Lower Upper

94 100

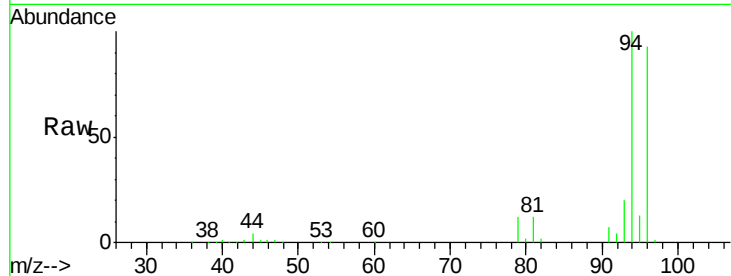
96 93.2 76.8 115.2

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

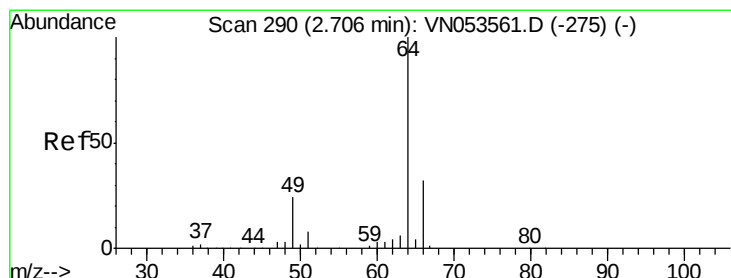
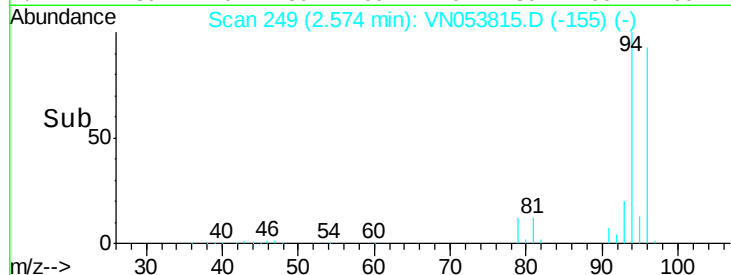
2.57

100000

50000

0

Time-->



#6

Chloroethane

Concen: 55.277 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN053815.D

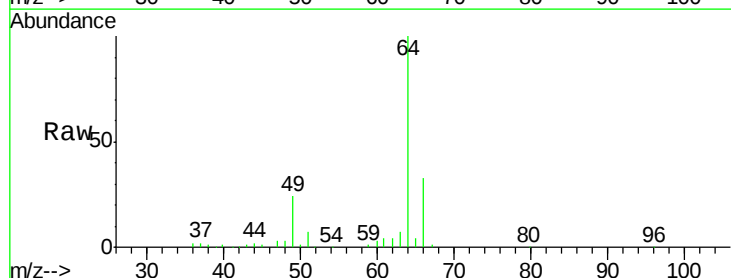
Acq: 15 Feb 2019 22:26

Tgt Ion: 64 Resp: 222323

Ion Ratio Lower Upper

64 100

66 33.1 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.71

120000

100000

80000

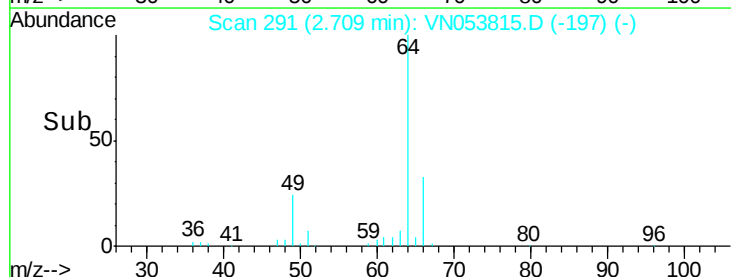
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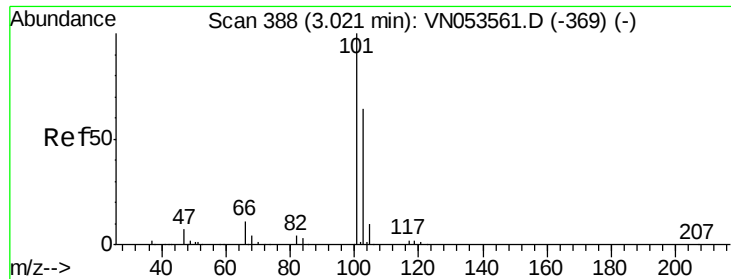
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Time-->





#7

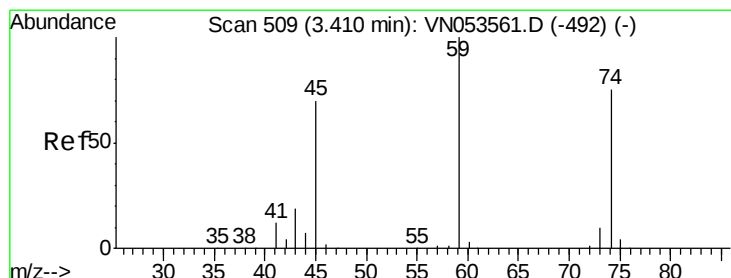
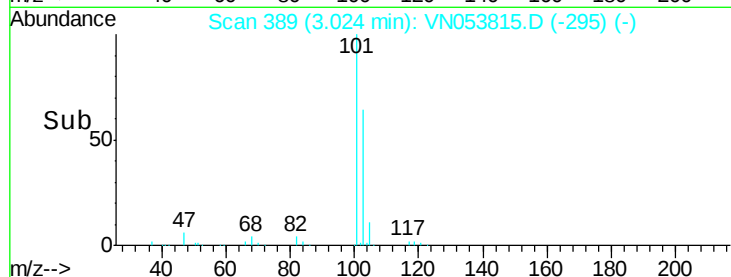
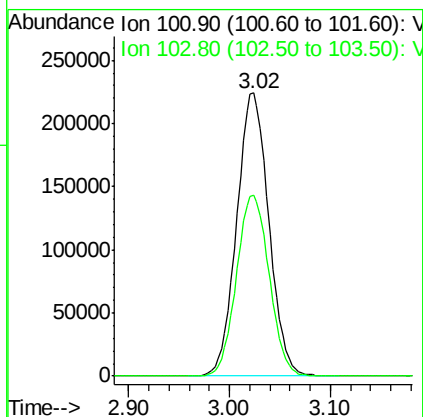
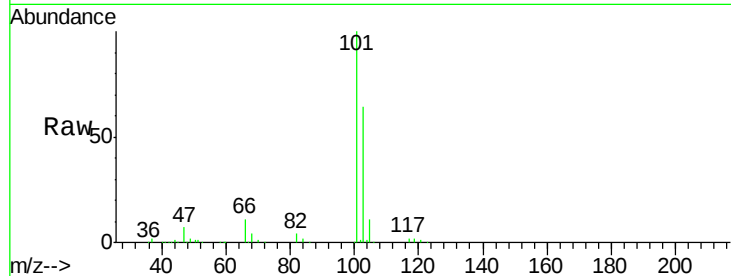
Trichlorofluoromethane
Concen: 51.801 ug/l
RT: 3.02 min Scan# 389
Delta R.T. 0.00 min
Lab File: VN053815.D
Acq: 15 Feb 2019 22:26

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VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		494409		
103	63.8	51.6	77.4		

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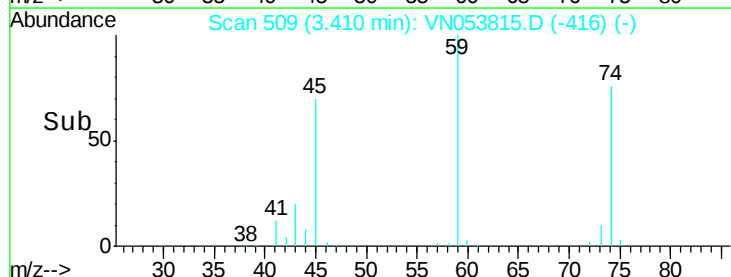
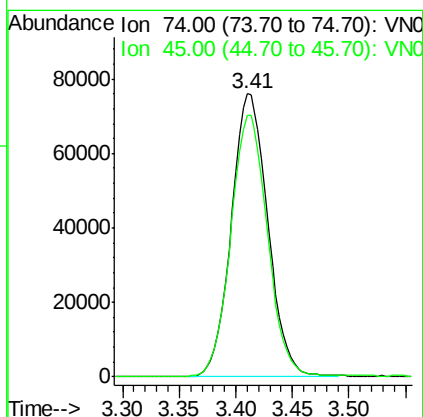
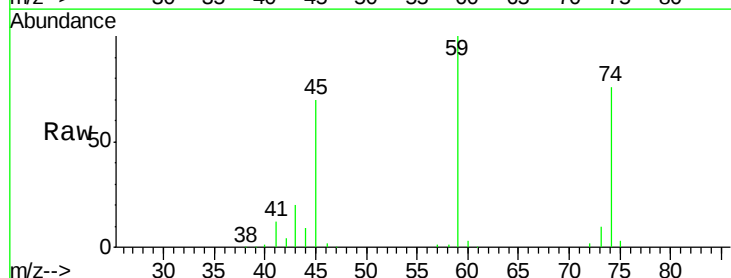
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2/18/2019 9:48:45 AM

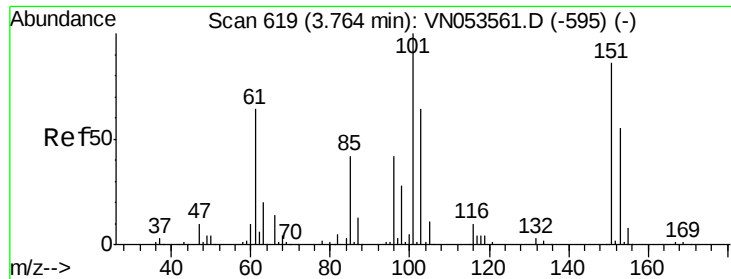


#8

Diethyl Ether
Concen: 48.969 ug/l
RT: 3.41 min Scan# 509
Delta R.T. -0.00 min
Lab File: VN053815.D
Acq: 15 Feb 2019 22:26

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		170690		
45	93.3	47.9	143.7		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.184 ug/l

RT: 3.76 min Scan# 619

Delta R.T. -0.00 min

Lab File: VN053815.D

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Instrument :

MSVOA_N

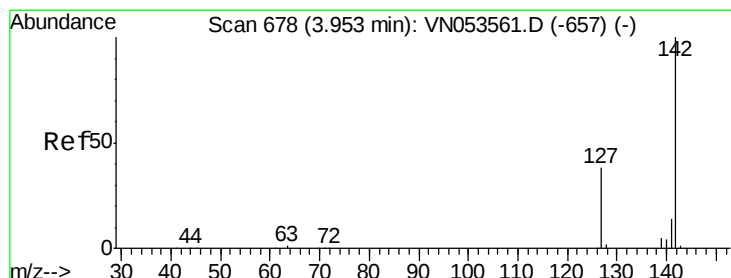
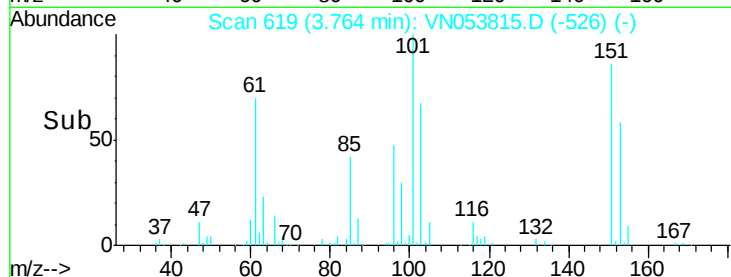
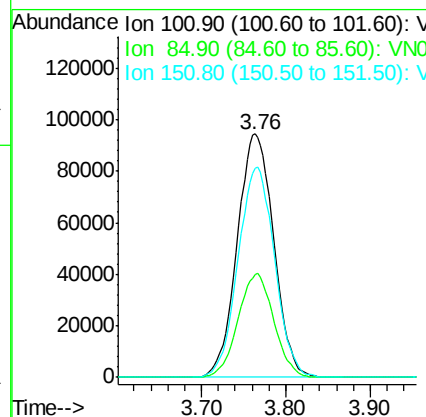
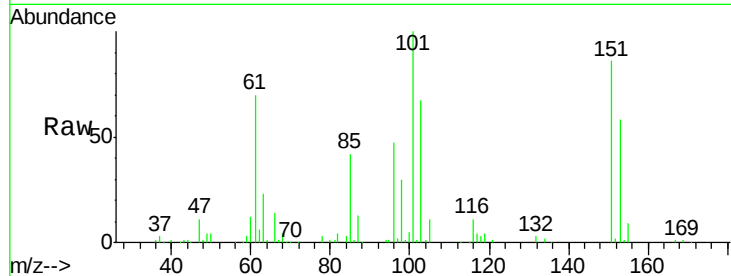
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	284416
Ion Ratio	Lower	Upper	
101	100		
85	41.7	32.8	49.2
151	86.6	66.9	100.3

Manual Integrations
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MMDadoda
2/18/2019 9:48:45 AM



#10

Methyl Iodide

Concen: 45.883 ug/l

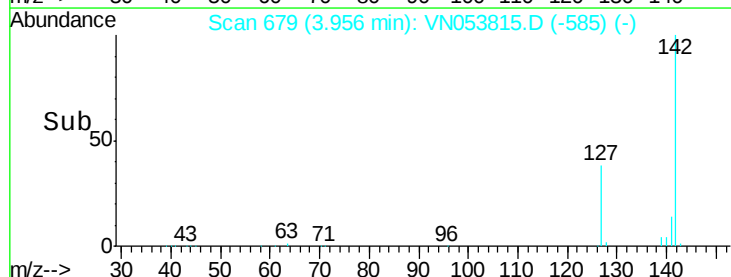
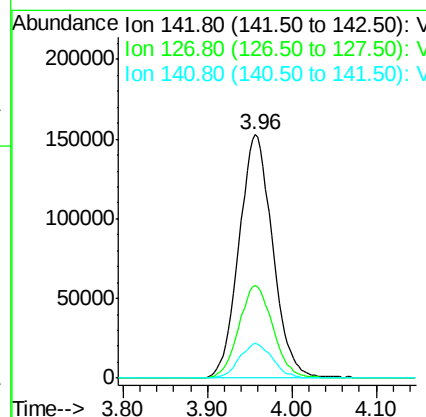
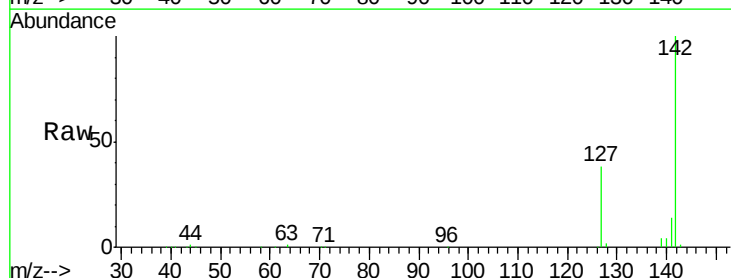
RT: 3.96 min Scan# 679

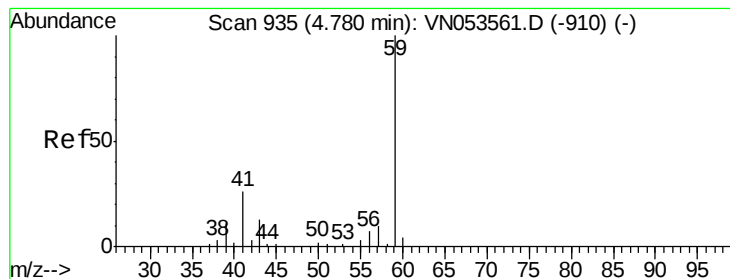
Delta R.T. 0.00 min

Lab File: VN053815.D

Acq: 15 Feb 2019 22:26

Tgt Ion:	142	Resp:	425092
Ion Ratio	Lower	Upper	
142	100		
127	38.7	31.0	46.4
141	14.2	11.1	16.7





#11

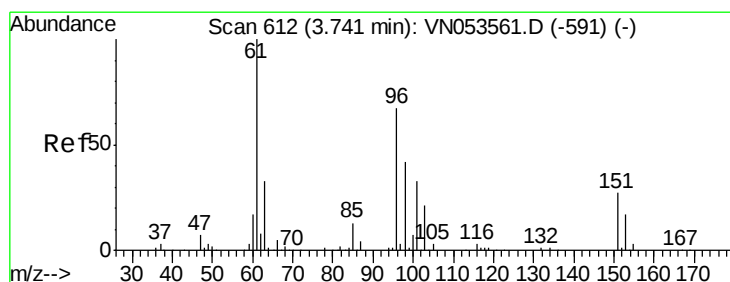
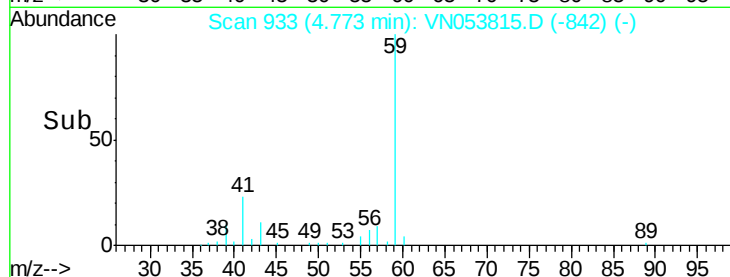
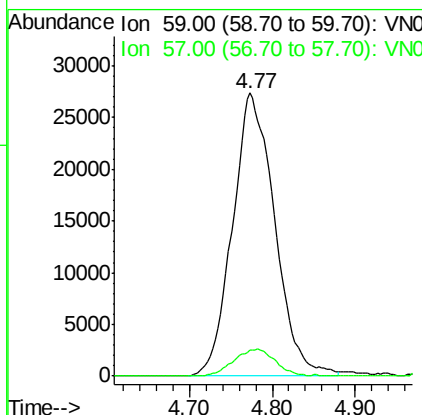
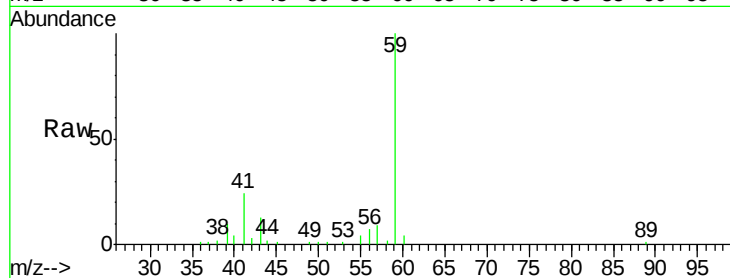
Tert butyl alcohol
Concen: 266.863 ug/l
RT: 4.77 min Scan# 933
Delta R.T. -0.01 min
Lab File: VN053815.D
Acq: 15 Feb 2019 22:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
59	100	96761		
57	9.4		8.2	12.4

Manual Integrations
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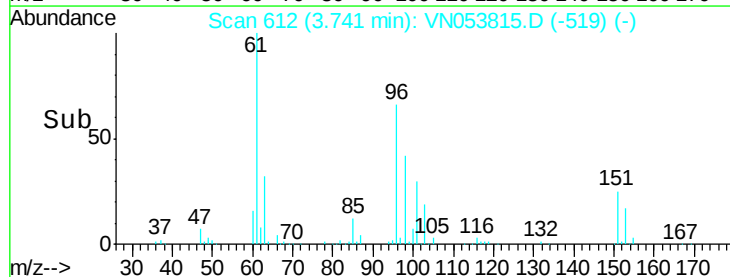
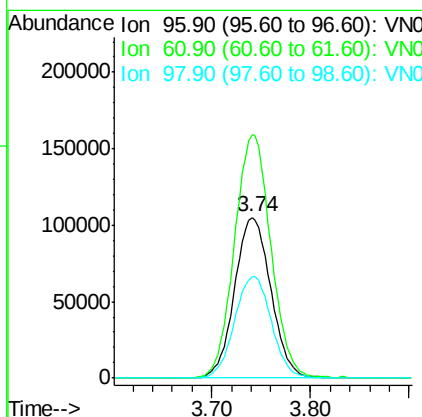
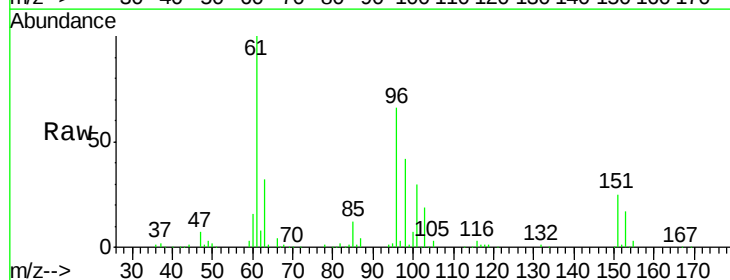
MMDadoda
2/18/2019 9:48:45 AM

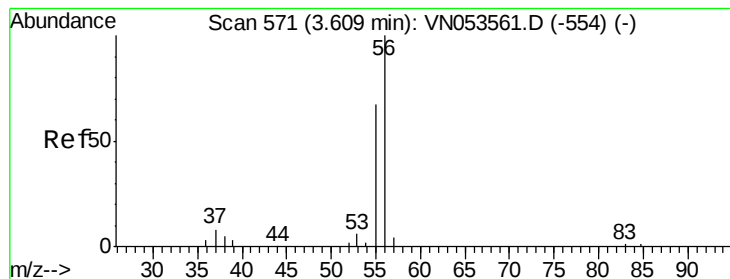


#12

1,1-Dichloroethene
Concen: 47.377 ug/l
RT: 3.74 min Scan# 612
Delta R.T. 0.00 min
Lab File: VN053815.D
Acq: 15 Feb 2019 22:26

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	267933		
61	151.3		122.9	184.3
98	63.1		49.4	74.0





#13

Acrolein

Concen: 228.911 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN053815.D

Acq: 15 Feb 2019 22:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 45190

Ion Ratio Lower Upper

56 100

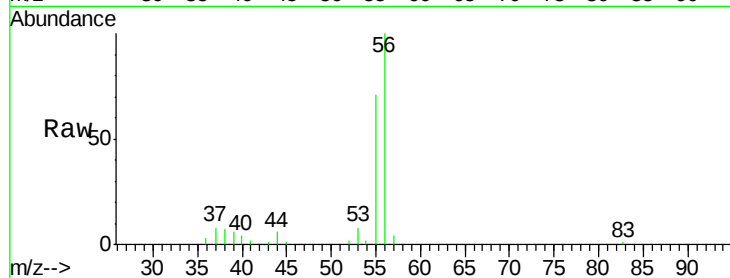
55 71.4 57.4 86.0

Manual Integrations

APPROVED

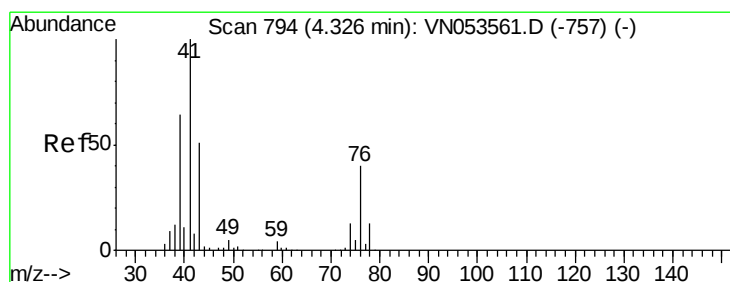
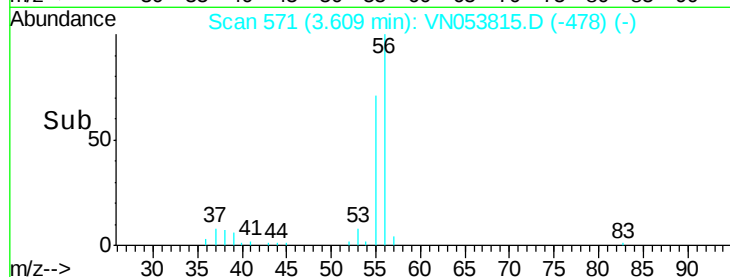
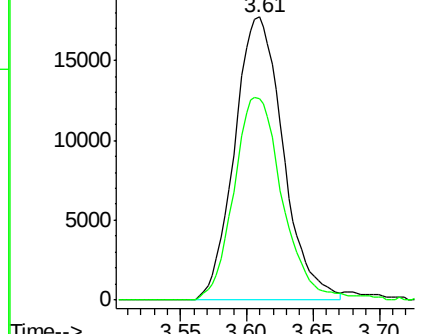
MMDadoda

2/18/2019 9:48:45 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 47.486 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN053815.D

Acq: 15 Feb 2019 22:26

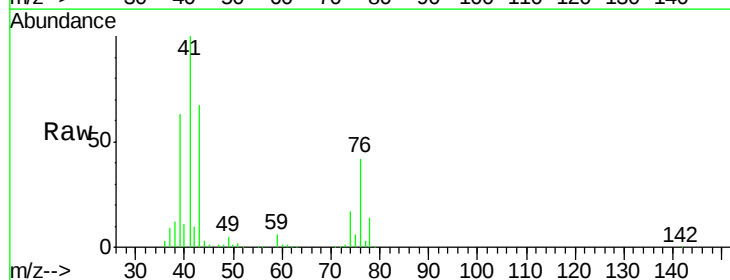
Tgt Ion: 41 Resp: 427584

Ion Ratio Lower Upper

41 100

39 60.4 48.9 73.3

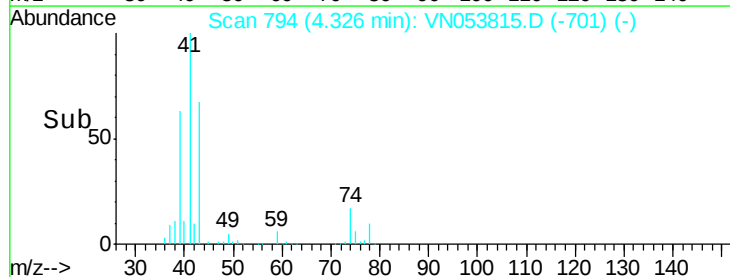
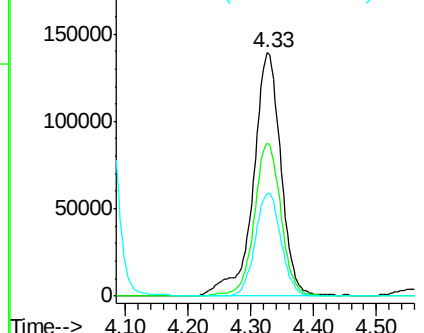
76 39.0 29.4 44.2



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 267.057 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN053815.D

Acq: 15 Feb 2019 22:26

Instrument :

MSVOA_N

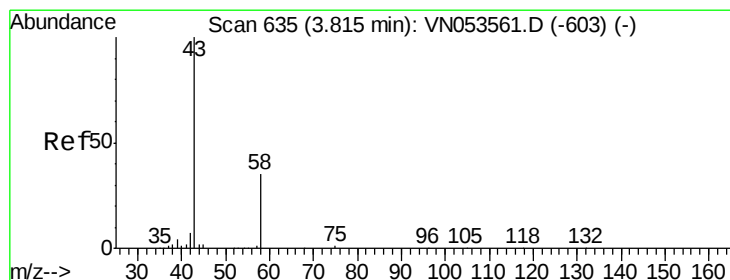
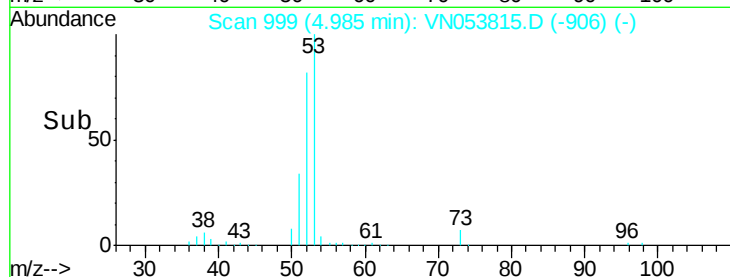
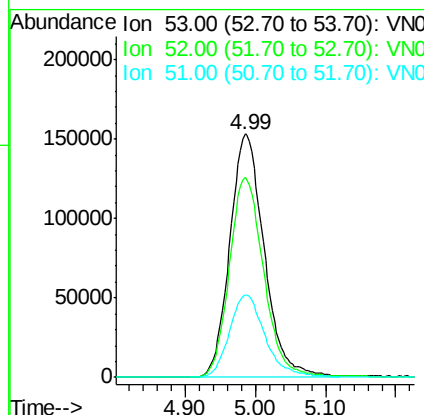
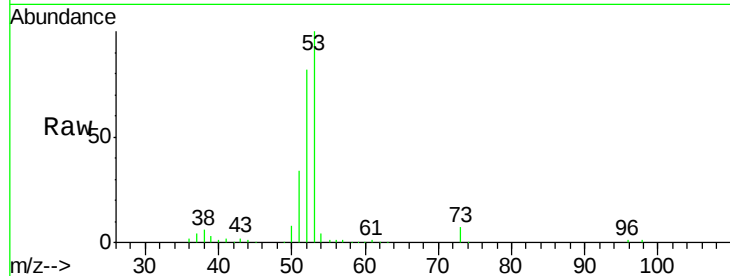
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	522745
Ion Ratio	Lower	Upper	
53	100		
52	81.8	66.0	99.0
51	35.3	28.3	42.5

Manual Integrations
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MMDadoda
2/18/2019 9:48:45 AM



#16

Acetone

Concen: 214.997 ug/l

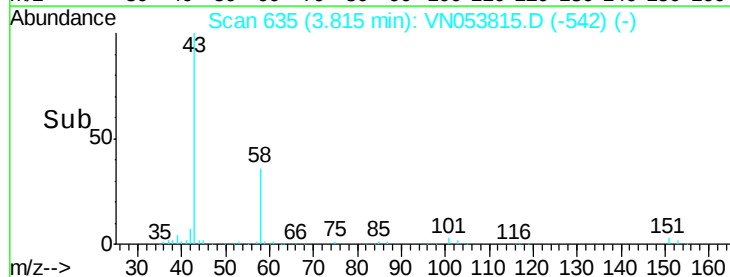
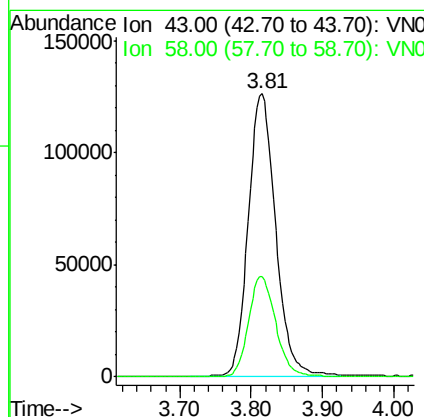
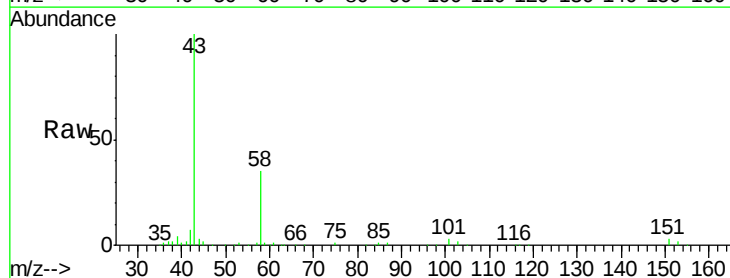
RT: 3.81 min Scan# 635

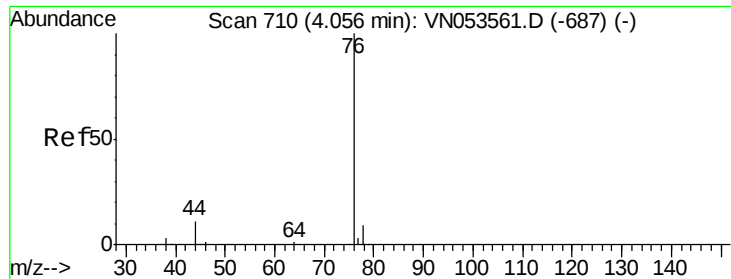
Delta R.T. 0.00 min

Lab File: VN053815.D

Acq: 15 Feb 2019 22:26

Tgt Ion:	43	Resp:	337865
Ion Ratio	Lower	Upper	
43	100		
58	35.5	27.1	40.7





#17

Carbon Disulfide

Concen: 40.409 ug/l

RT: 4.06 min Scan# 710

Delta R.T. 0.00 min

Lab File: VN053815.D

Acq: 15 Feb 2019 22:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 711576

Ion Ratio Lower Upper

76 100

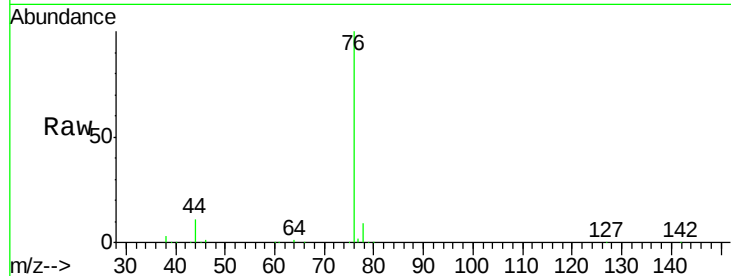
78 9.1 7.3 10.9

Manual Integrations

APPROVED

MMDadoda

2/18/2019 9:48:45 AM



Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO

4.06

250000

200000

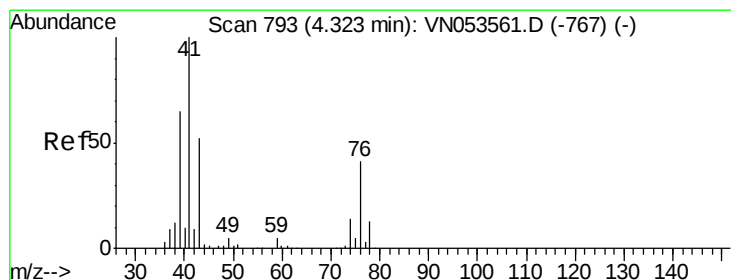
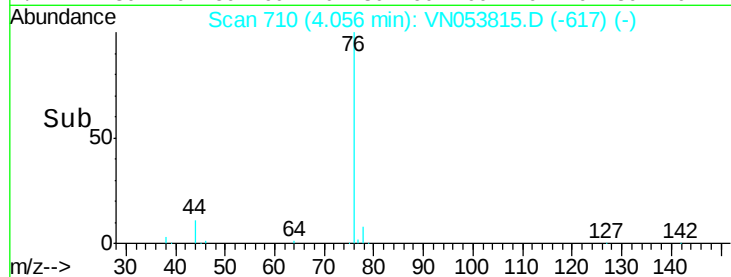
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 57.808 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN053815.D

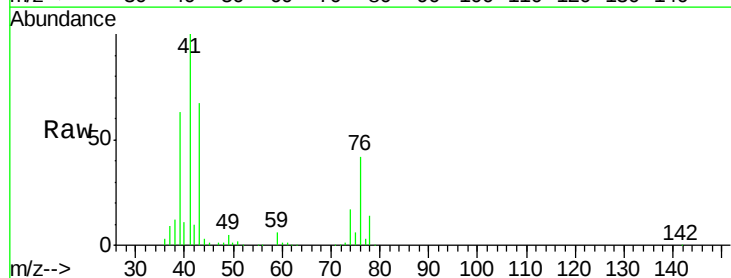
Acq: 15 Feb 2019 22:26

Tgt Ion: 43 Resp: 269040

Ion Ratio Lower Upper

43 100

74 25.8 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO

4.33

100000

80000

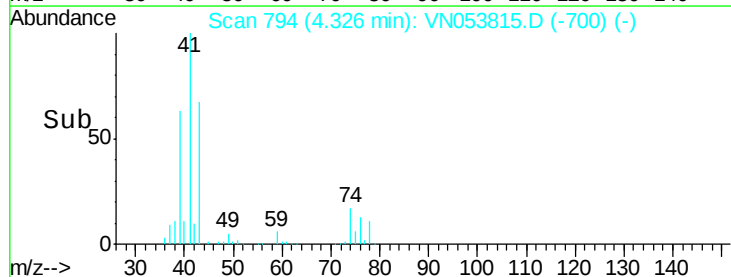
60000

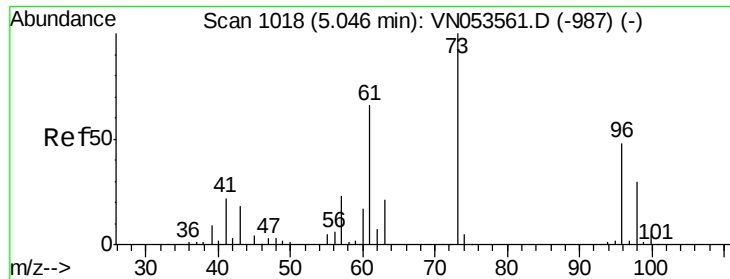
40000

20000

0

Time-->





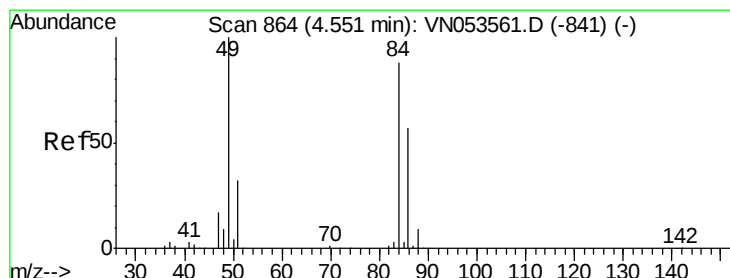
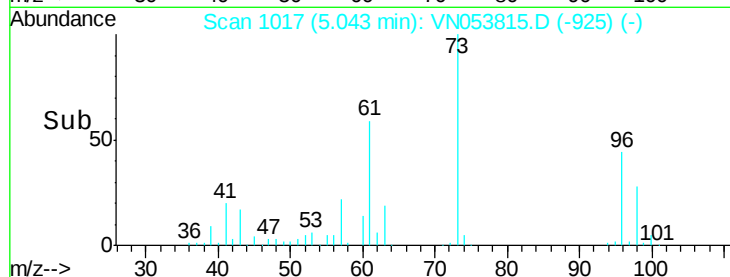
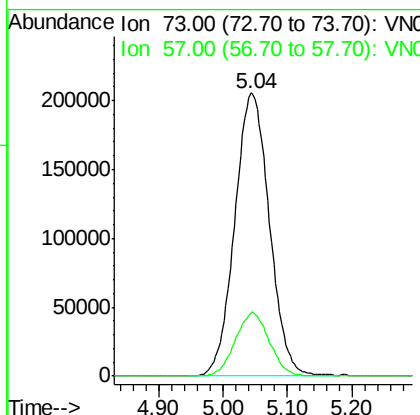
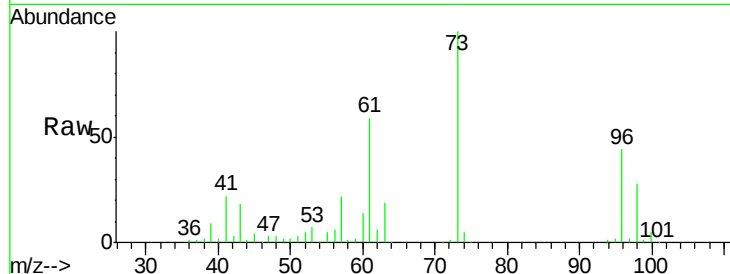
#19
Methvl tert-butvl Ether
Concen: 53.551 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN053815.D
Acq: 15 Feb 2019 22:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.4	18.3	27.5

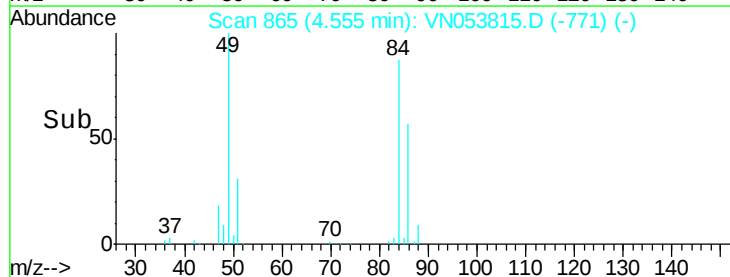
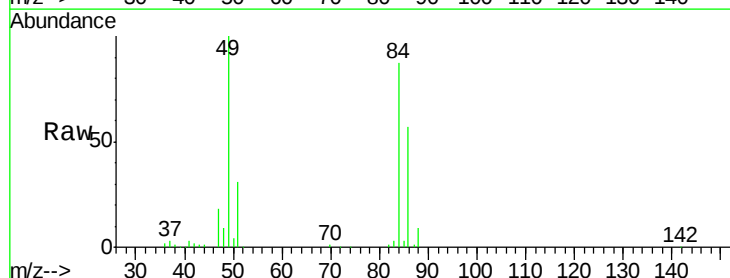
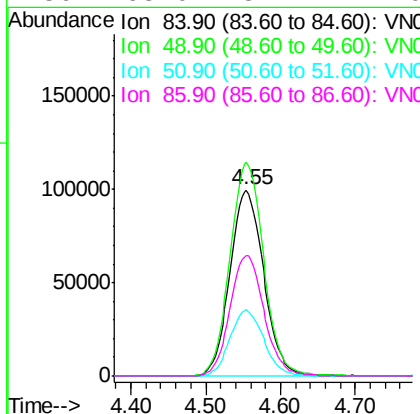
Manual Integrations
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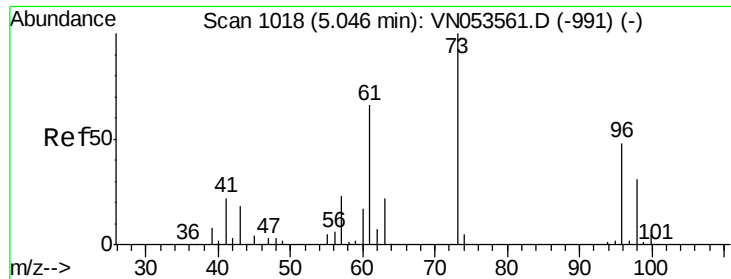
MMDadoda
2/18/2019 9:48:45 AM



#20
Methylene Chloride
Concen: 47.623 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN053815.D
Acq: 15 Feb 2019 22:26

Tgt Ion	Ratio	Lower	Upper
84	100		
49	114.8	94.3	141.5
51	35.5	29.4	44.2
86	65.0	51.4	77.0





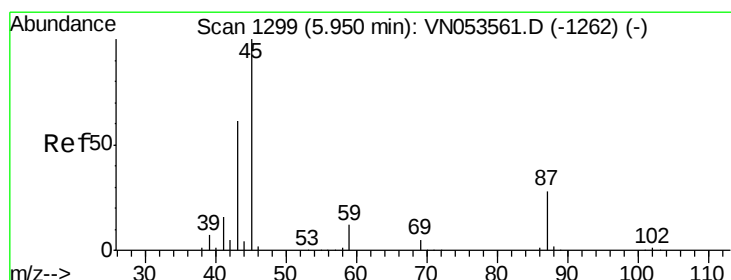
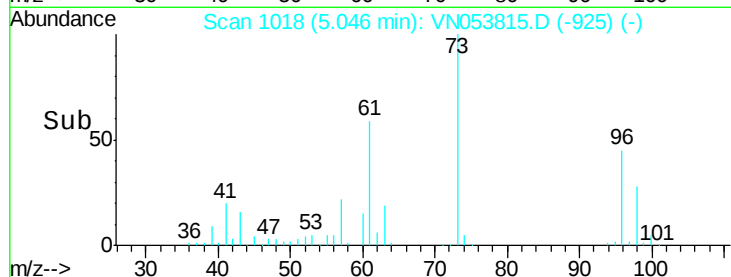
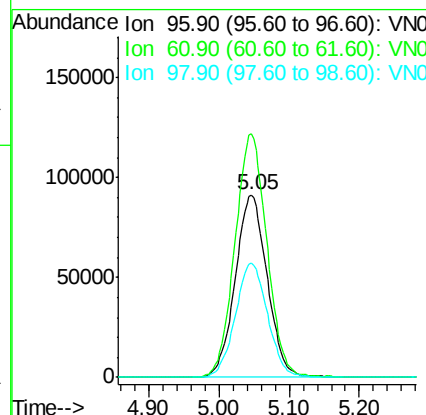
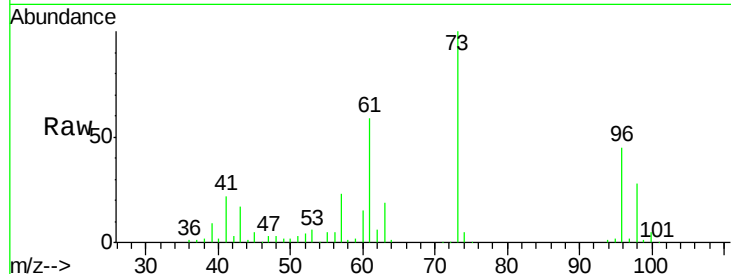
#21
trans-1,2-Dichloroethene
Concen: 47.426 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN053815.D
Acq: 15 Feb 2019 22:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	133.4	110.1	165.1
98	62.6	50.0	75.0

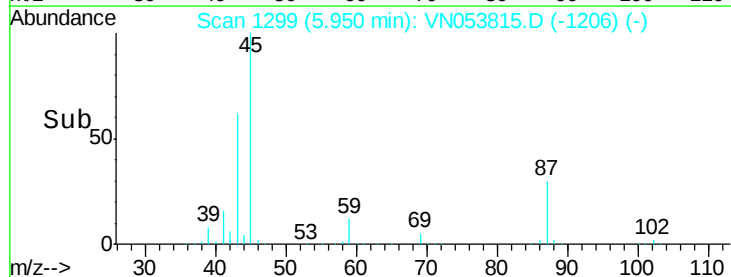
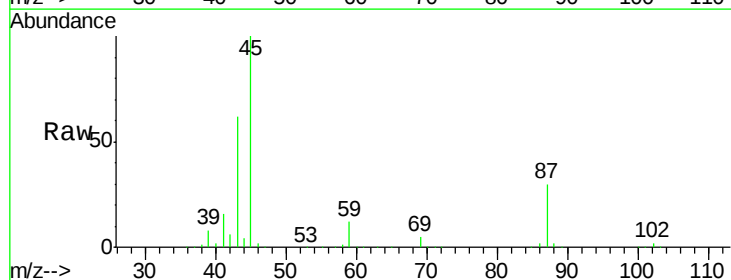
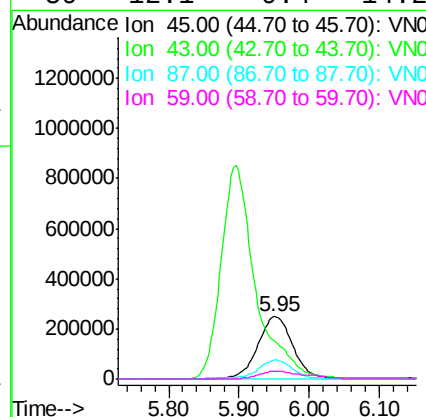
Manual Integrations
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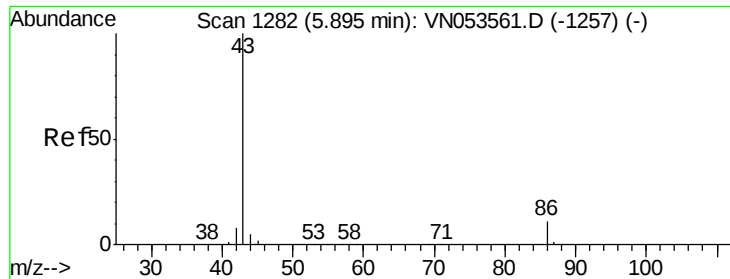
MMDadoda
2/18/2019 9:48:45 AM



#22
Diisopropyl ether
Concen: 51.974 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. 0.00 min
Lab File: VN053815.D
Acq: 15 Feb 2019 22:26

Tgt Ion	Ratio	Lower	Upper
45	100		
43	60.3	44.2	66.4
87	29.3	22.7	34.1
59	12.1	9.4	14.2





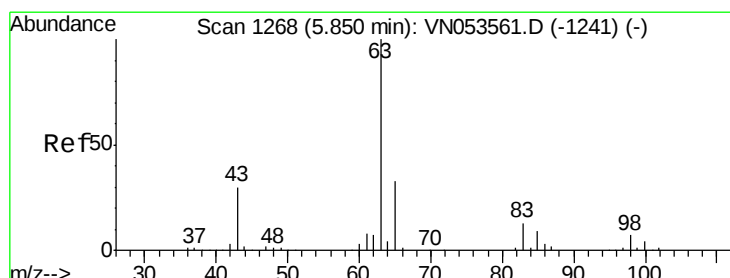
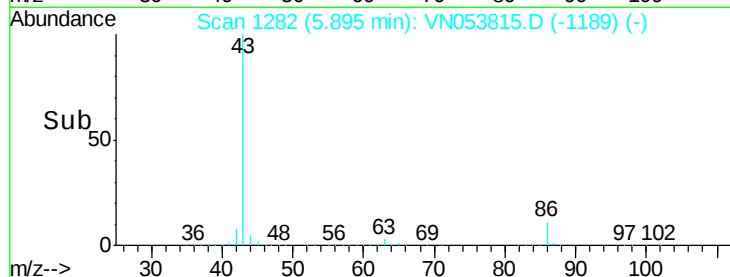
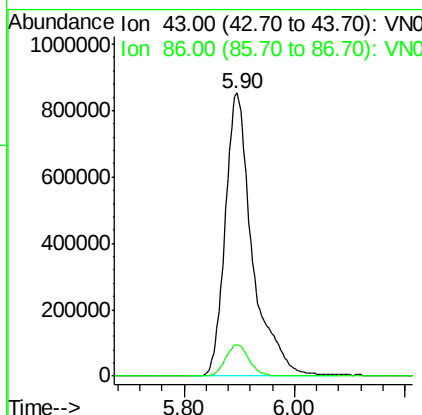
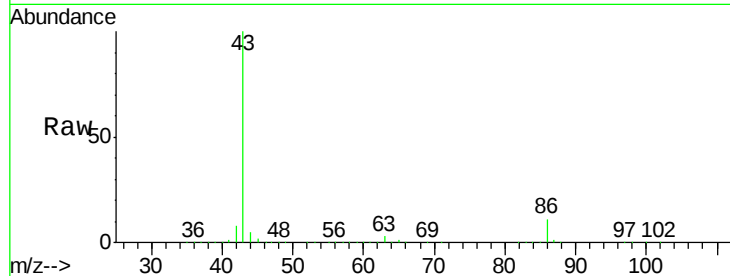
#23
 Vinyl Acetate
 Concen: 252.984 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN053815.D
 Acq: 15 Feb 2019 22:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 2919975
 Ion Ratio Lower Upper
 43 100
 86 11.2 8.4 12.6

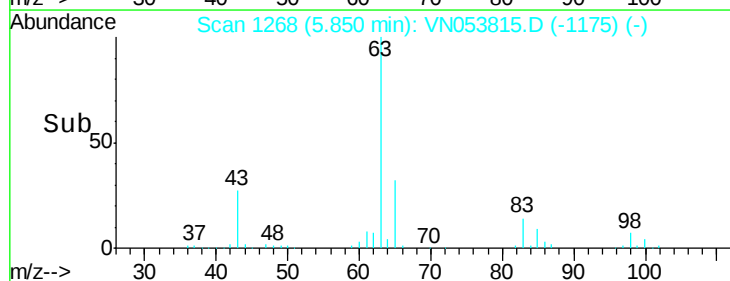
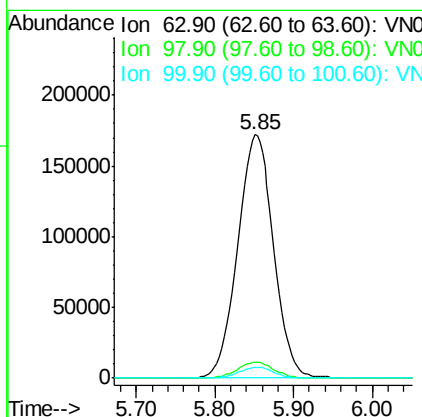
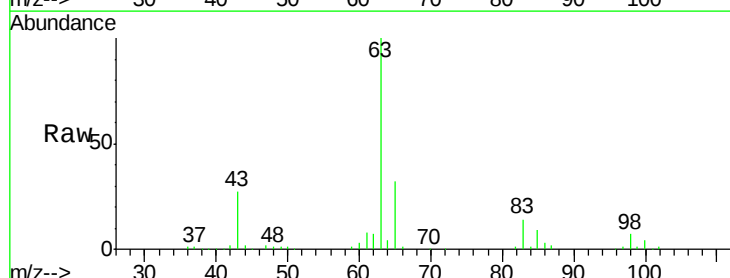
Manual Integrations
 APPROVED

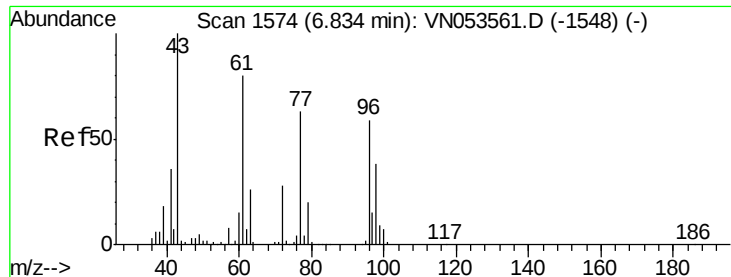
MMDadoda
 2/18/2019 9:48:45 AM



#24
 1,1-Dichloroethane
 Concen: 49.353 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VN053815.D
 Acq: 15 Feb 2019 22:26

Tgt Ion: 63 Resp: 549221
 Ion Ratio Lower Upper
 63 100
 98 6.5 3.3 9.9
 100 4.2 2.1 6.5





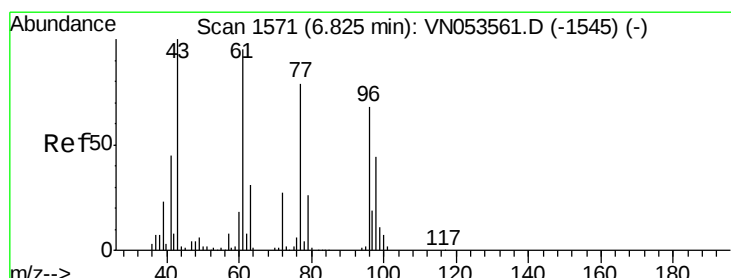
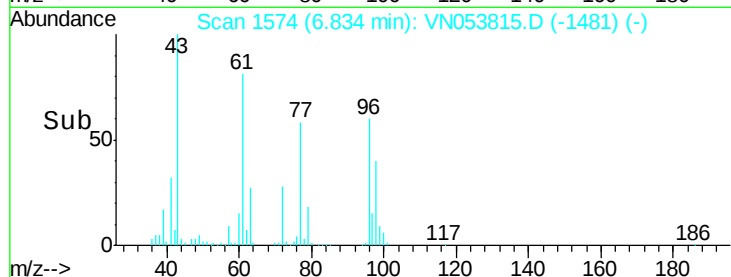
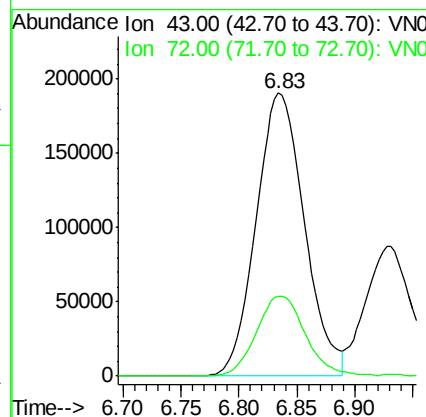
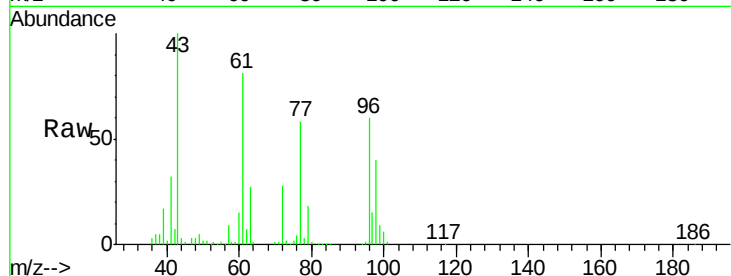
#25
2-Butanone
Concen: 245.594 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VN053815.D
Acq: 15 Feb 2019 22:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 550447
Ion Ratio Lower Upper
43 100
72 28.4 22.0 33.0

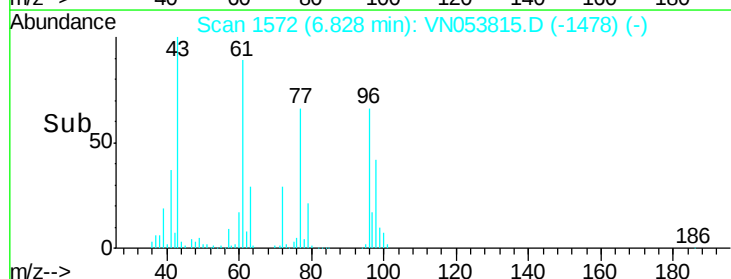
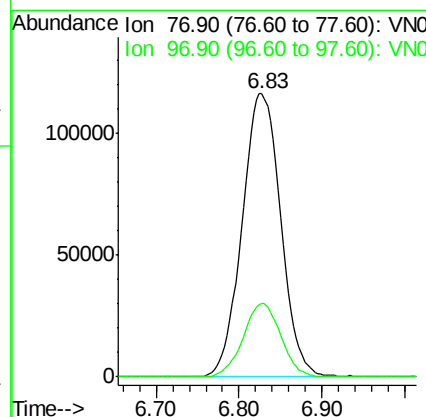
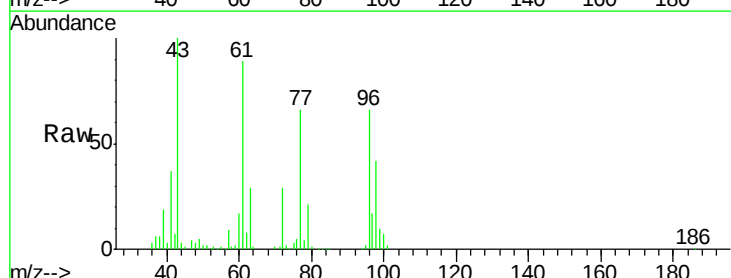
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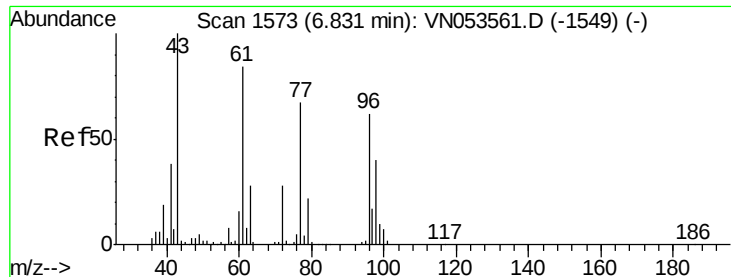
MMDadoda
2/18/2019 9:48:45 AM



#26
2,2-Dichloropropane
Concen: 44.420 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN053815.D
Acq: 15 Feb 2019 22:26

Tgt Ion: 77 Resp: 377348
Ion Ratio Lower Upper
77 100
97 25.3 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 49.964 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN053815.D

Acq: 15 Feb 2019 22:26

Instrument :

MSVOA_N

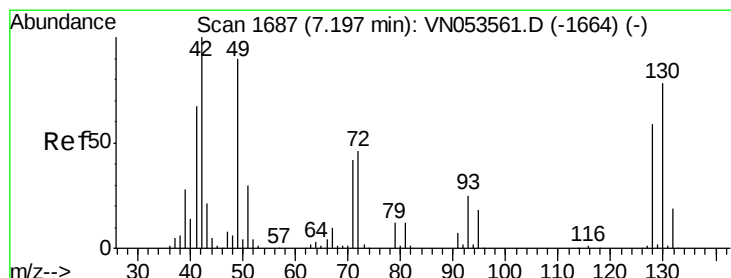
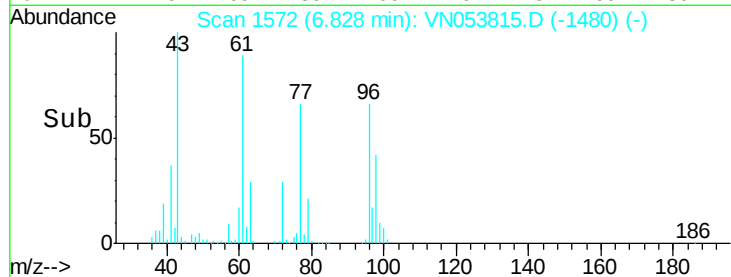
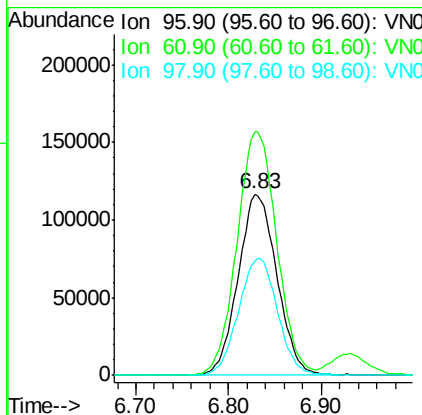
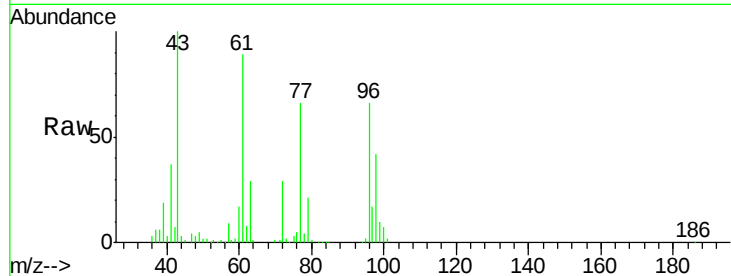
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	338981
Ion	Ratio	Lower	Upper
96	100		
61	137.6	0.0	283.8
98	65.1	0.0	129.2

Manual Integrations
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MMDadoda
2/18/2019 9:48:45 AM



#28

Bromochloromethane

Concen: 51.544 ug/l

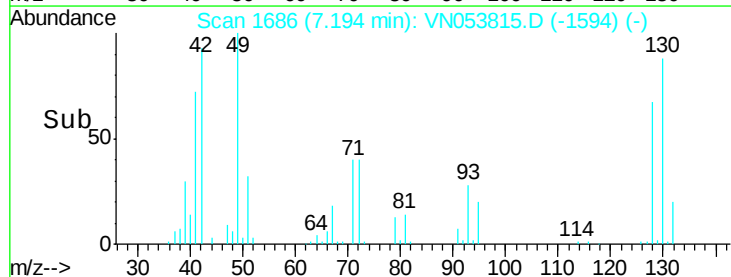
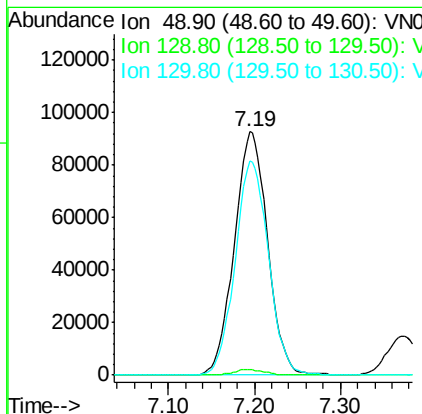
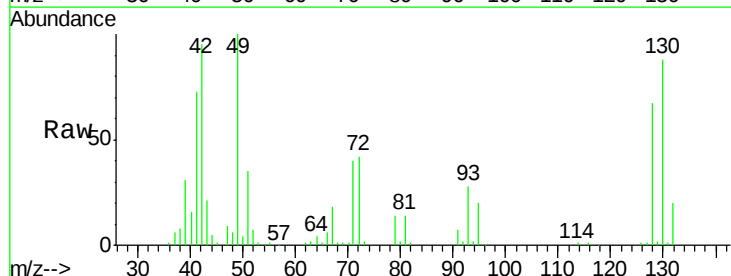
RT: 7.19 min Scan# 1686

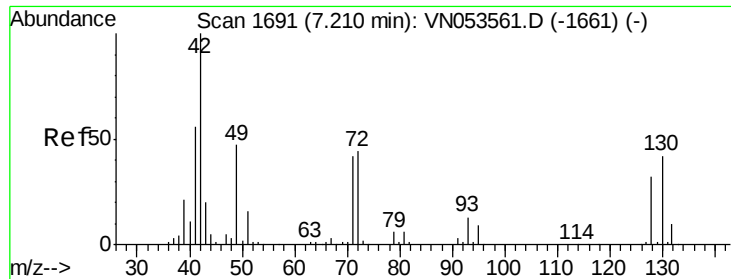
Delta R.T. -0.00 min

Lab File: VN053815.D

Acq: 15 Feb 2019 22:26

Tgt Ion:	49	Resp:	248923
Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.0
130	88.3	66.3	99.5





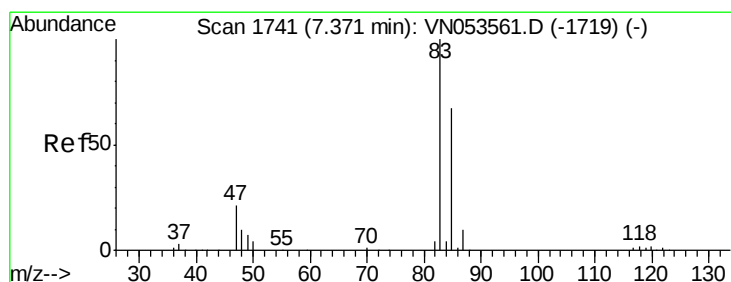
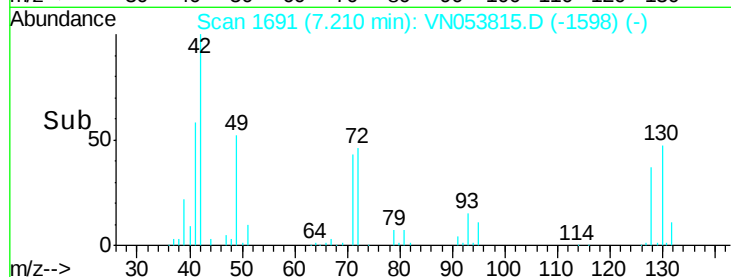
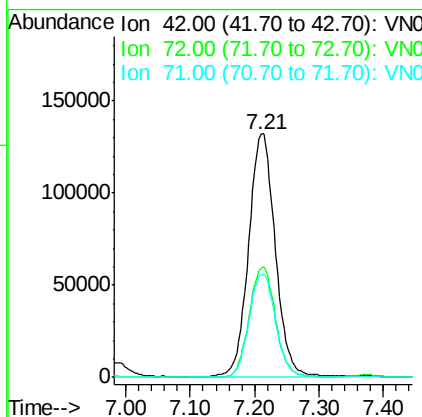
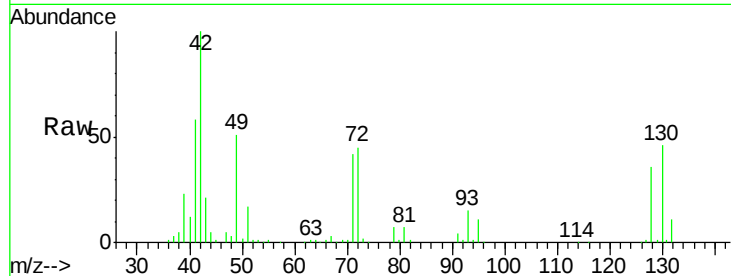
#29
Tetrahydrofuran
Concen: 264.071 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN053815.D
Acq: 15 Feb 2019 22:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.0	35.2	52.8
71	42.3	33.0	49.4

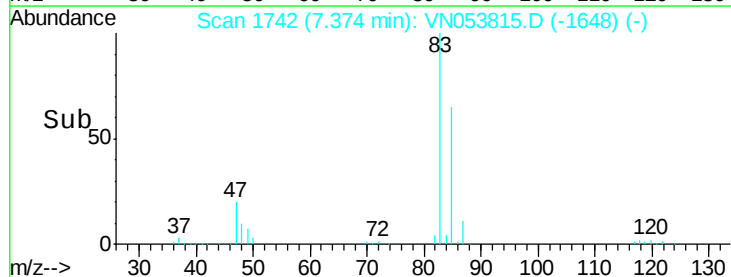
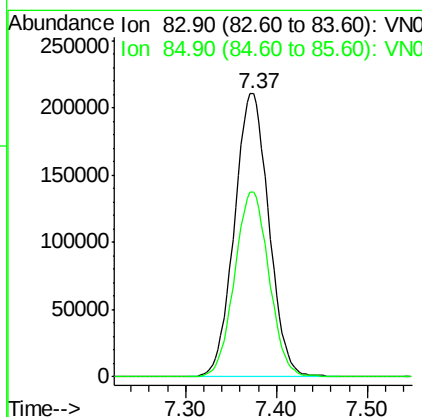
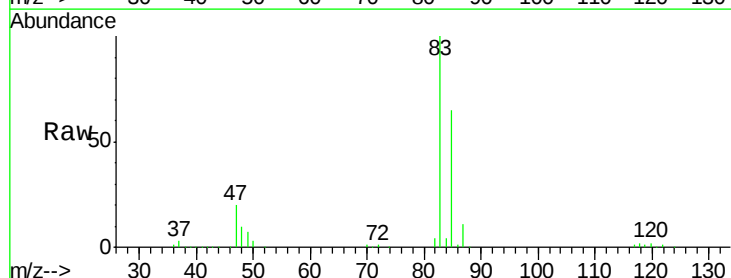
Manual Integrations
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MMDadoda
2/18/2019 9:48:45 AM



#30
Chloroform
Concen: 50.333 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN053815.D
Acq: 15 Feb 2019 22:26

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.3	52.2	78.2





#31

Cyclohexane

Concen: 44.656 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN053815.D

Acq: 15 Feb 2019 22:26

Instrument :

MSVOA_N

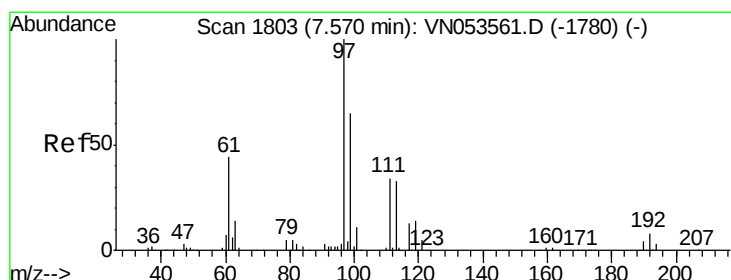
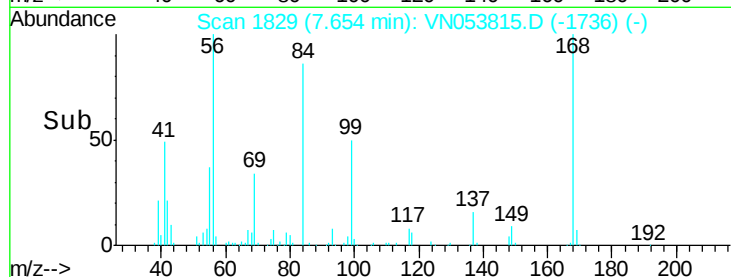
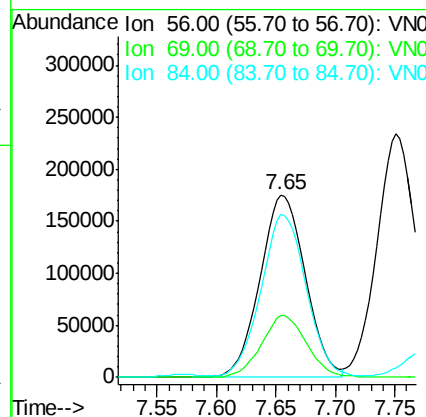
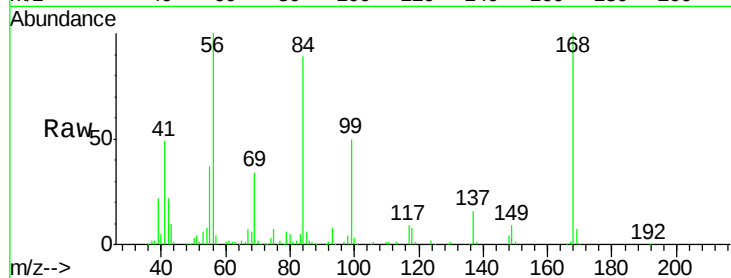
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	462870
Ion Ratio	Lower	Upper	
56	100		
69	34.1	26.4	39.6
84	87.7	67.9	101.9

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 50.436 ug/l

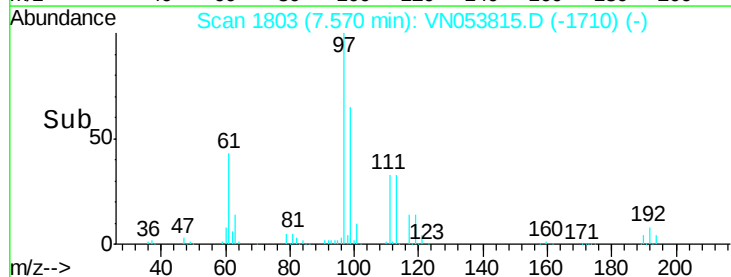
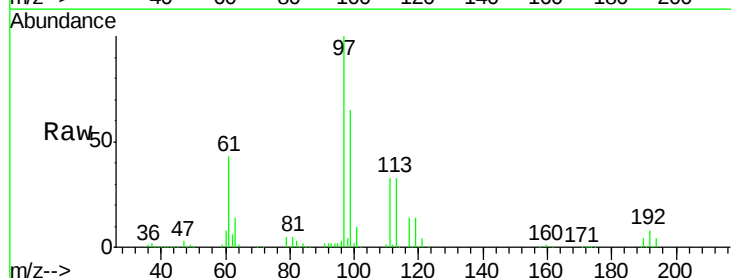
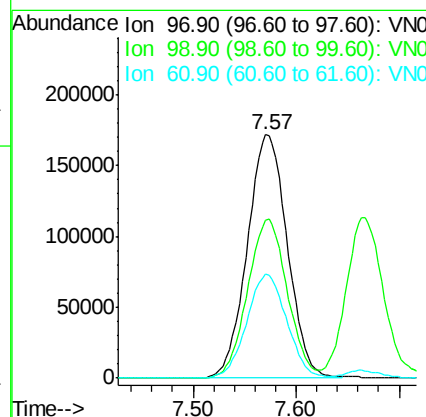
RT: 7.57 min Scan# 1803

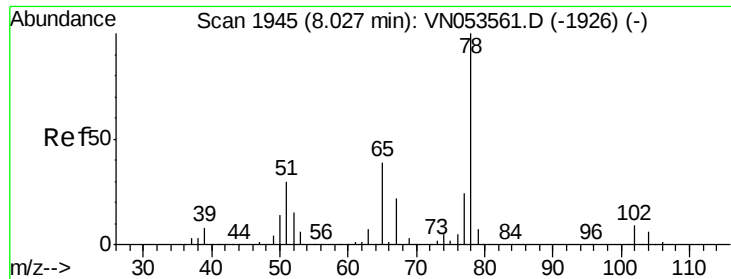
Delta R.T. 0.00 min

Lab File: VN053815.D

Acq: 15 Feb 2019 22:26

Tgt Ion:	97	Resp:	463034
Ion Ratio	Lower	Upper	
97	100		
99	64.8	52.0	78.0
61	42.6	34.4	51.6





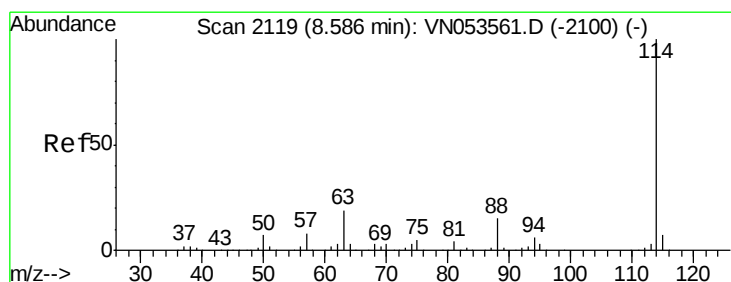
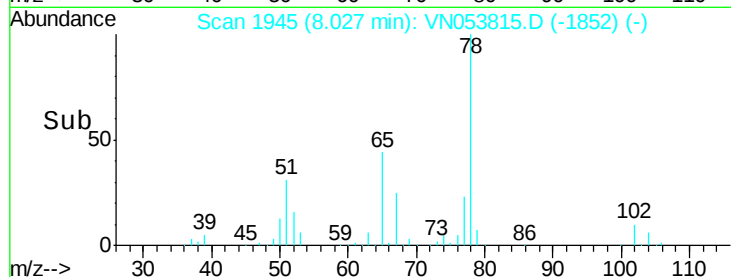
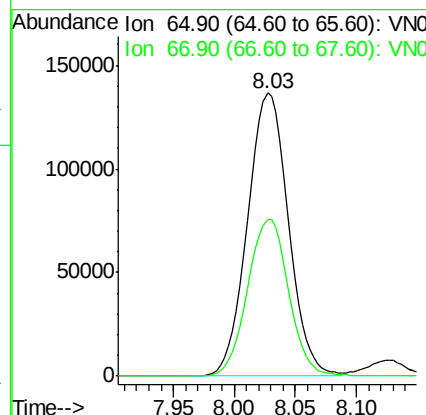
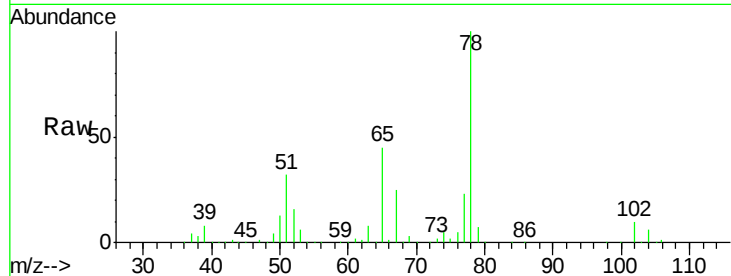
#33
 1,2-Dichloroethane-d4
 Concen: 51.722 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053815.D
 Acq: 15 Feb 2019 22:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	55.8	0.0	111.2	

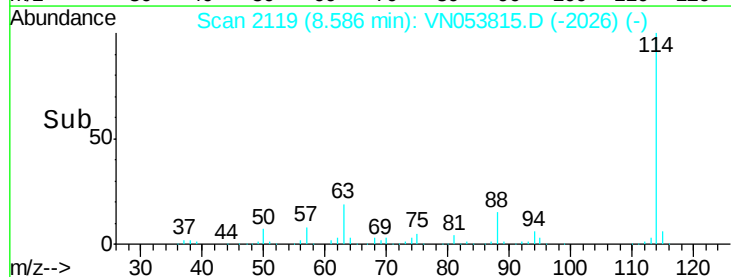
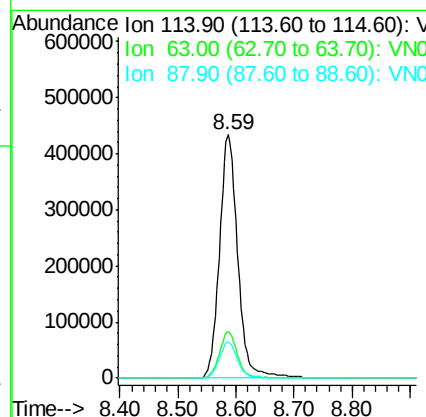
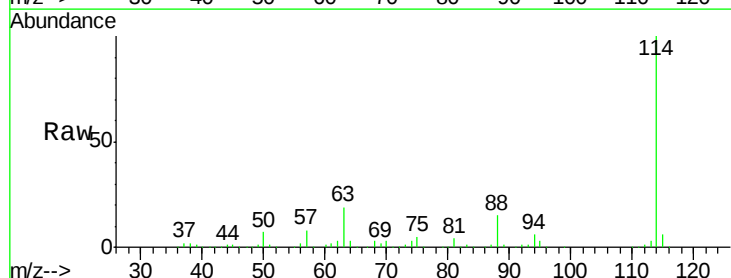
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053815.D
 Acq: 15 Feb 2019 22:26

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	18.9	0.0	38.6	
88	14.8	0.0	30.4	





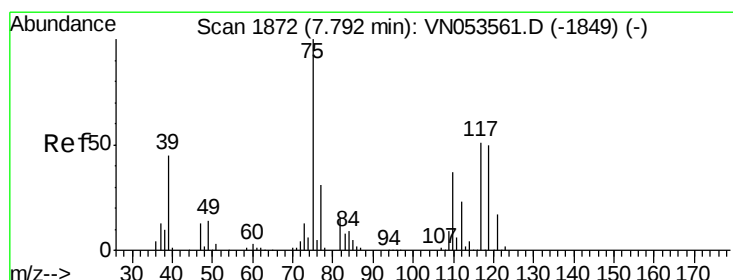
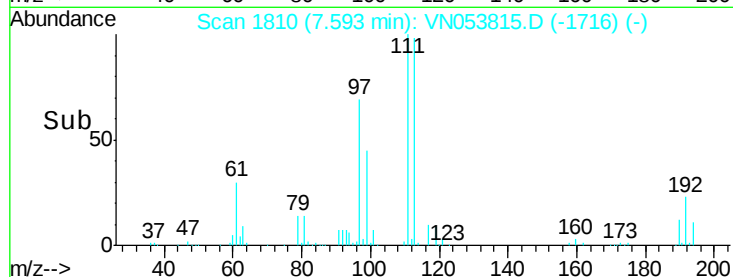
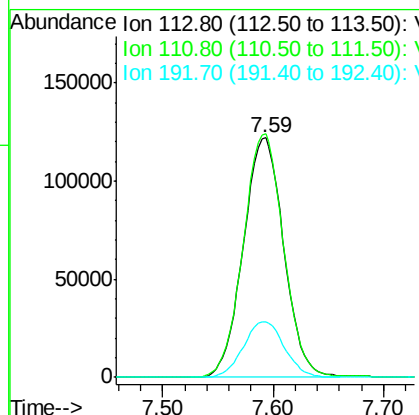
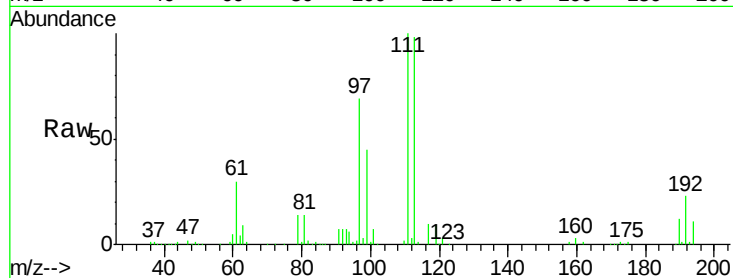
#35
 Dibromofluoromethane
 Concen: 51.506 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN053815.D
 Acq: 15 Feb 2019 22:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	309534		
111	102.1	81.1	121.7	
192	23.6	18.2	27.2	

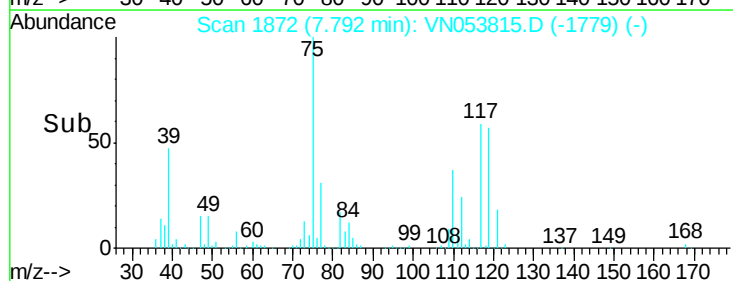
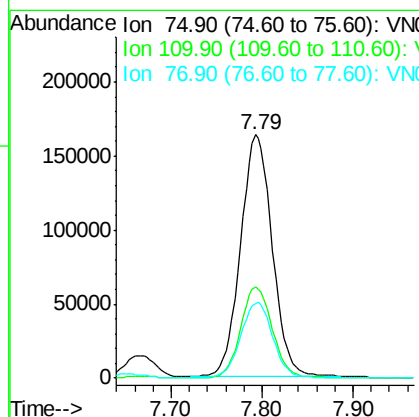
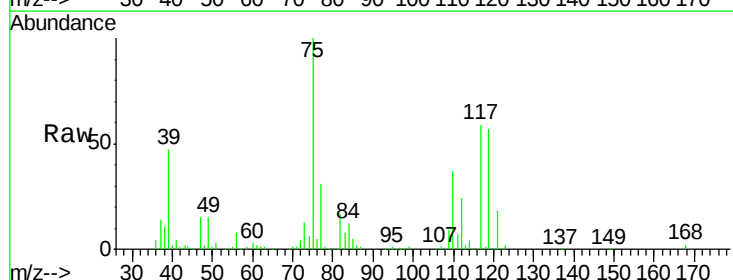
Manual Integrations
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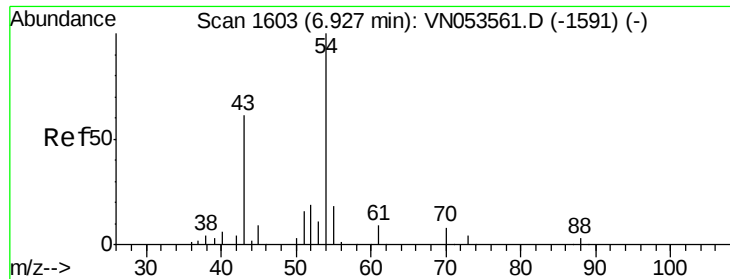
MMDadoda
 2/18/2019 9:48:45 AM



#36
 1,1-Dichloropropene
 Concen: 46.345 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN053815.D
 Acq: 15 Feb 2019 22:26

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	397336		
110	37.8	18.1	54.3	
77	31.8	25.1	37.7	





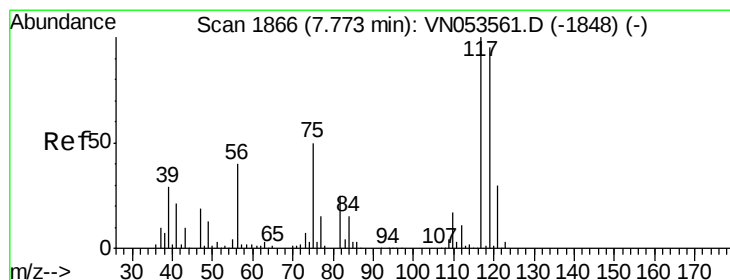
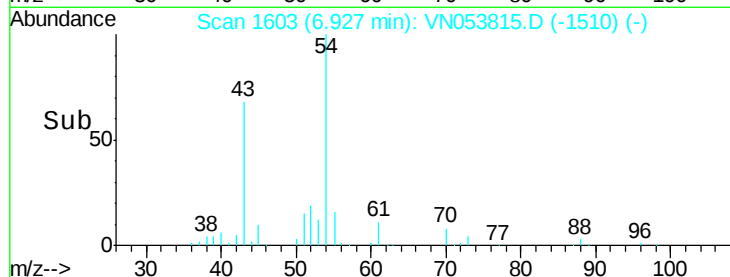
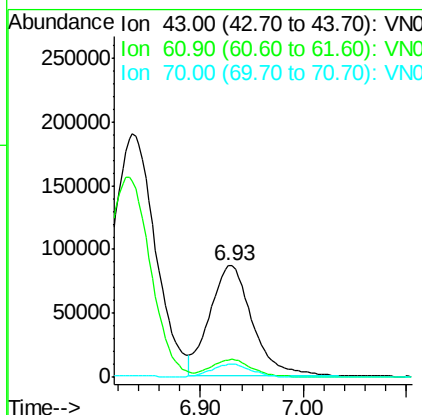
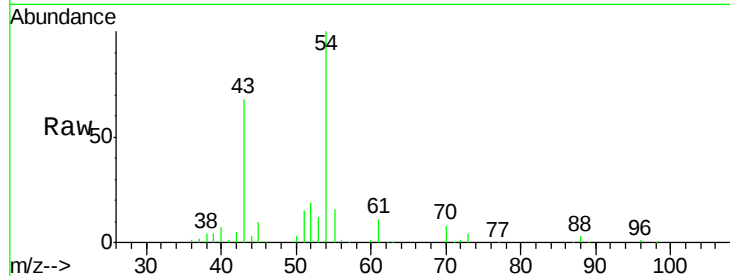
#37
Ethyl Acetate
Concen: 51.819 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VN053815.D
Acq: 15 Feb 2019 22:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.5	11.8	17.6
70	11.2	8.6	12.8

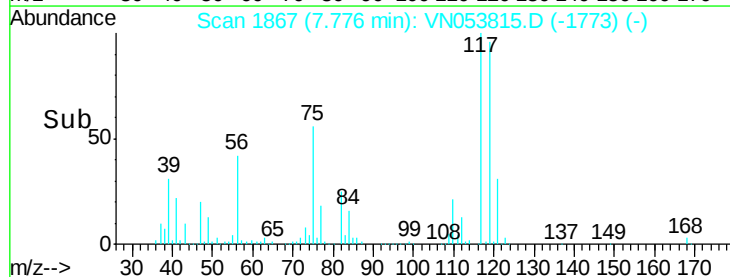
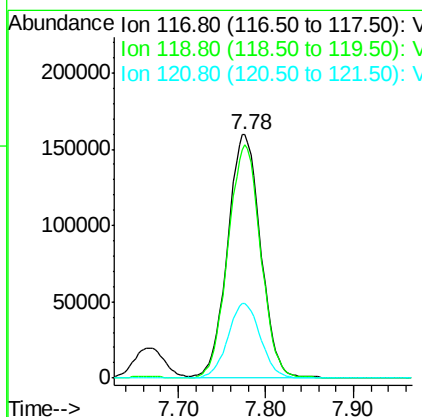
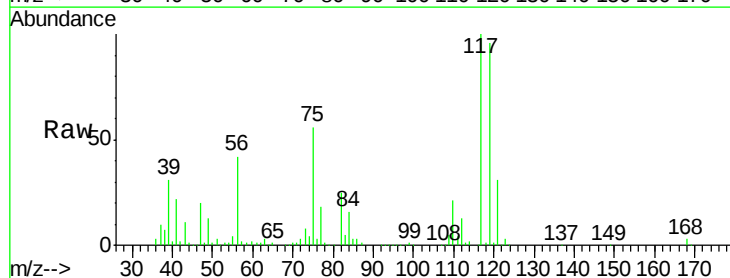
Manual Integrations
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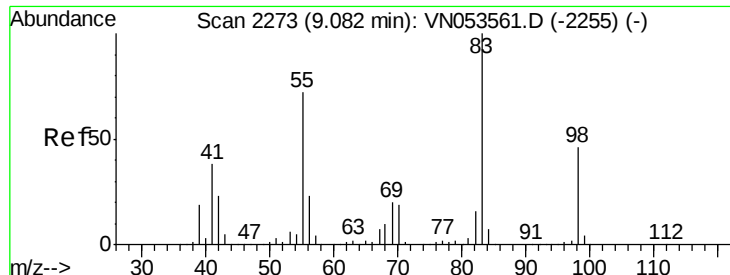
MMDadoda
2/18/2019 9:48:45 AM



#38
Carbon Tetrachloride
Concen: 48.147 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN053815.D
Acq: 15 Feb 2019 22:26

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.9	77.2	115.8
121	30.8	24.6	37.0





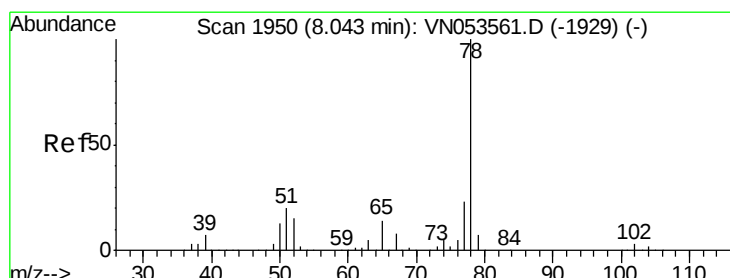
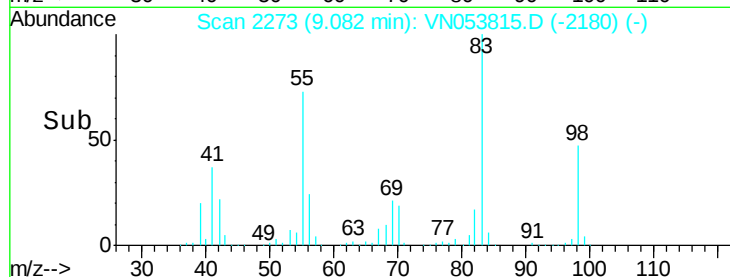
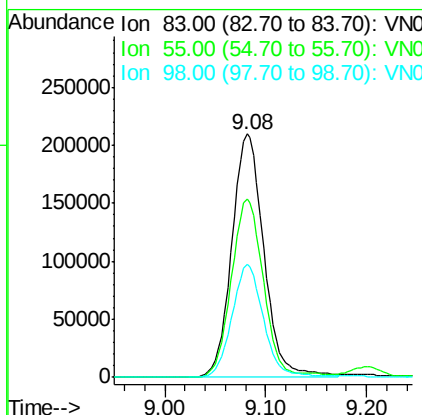
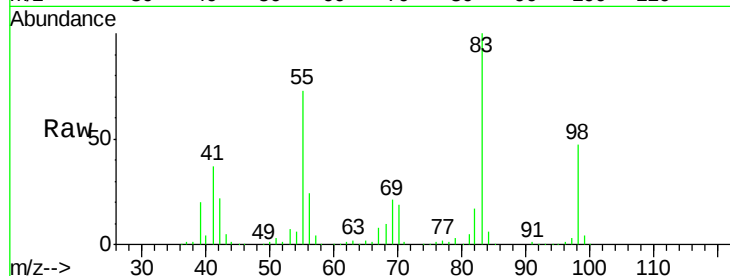
#39
Methvlcvclohexane
Concen: 45.663 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN053815.D
Acq: 15 Feb 2019 22:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	73.5	60.1	90.1	
98	46.5	36.6	55.0	

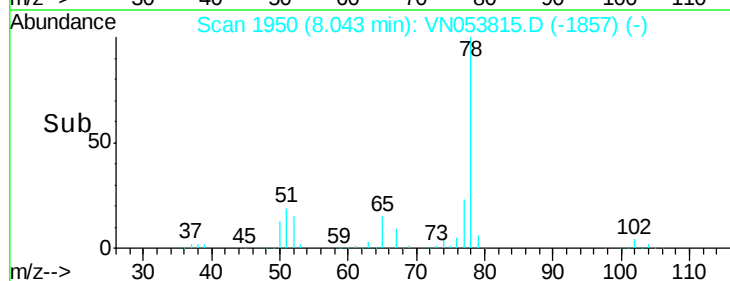
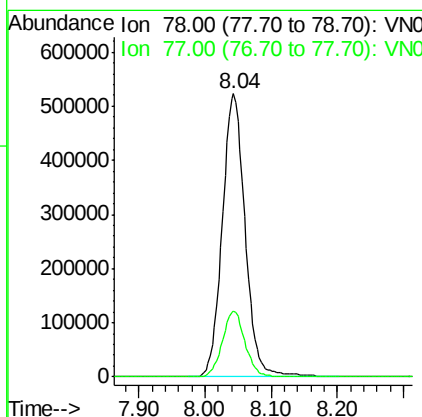
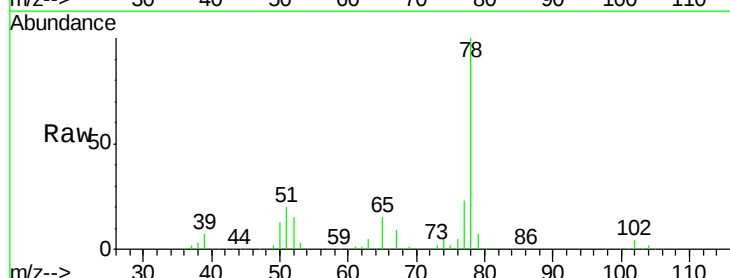
Manual Integrations
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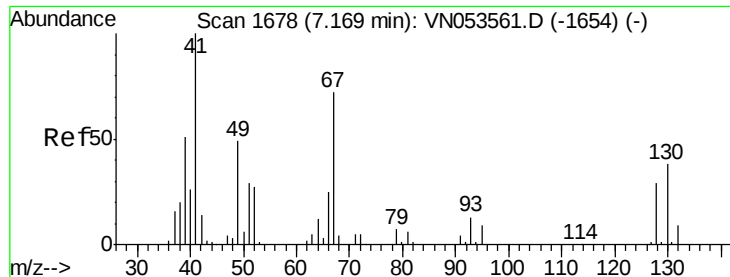
MMDadoda
2/18/2019 9:48:45 AM



#40
Benzene
Concen: 47.459 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053815.D
Acq: 15 Feb 2019 22:26

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





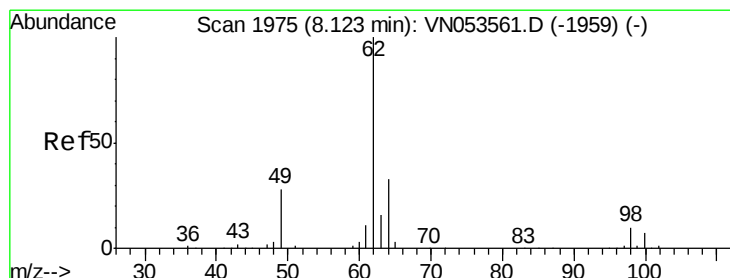
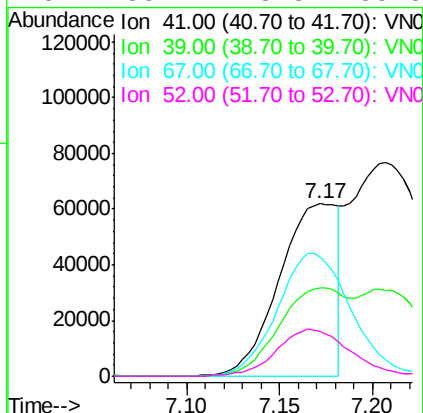
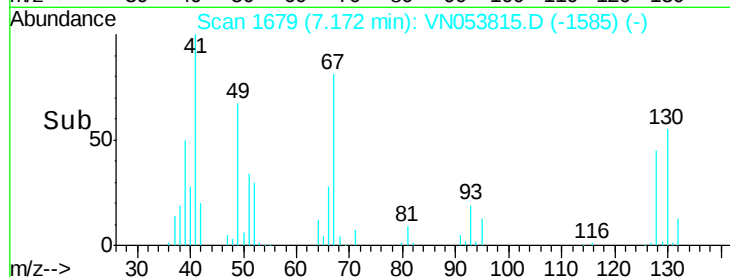
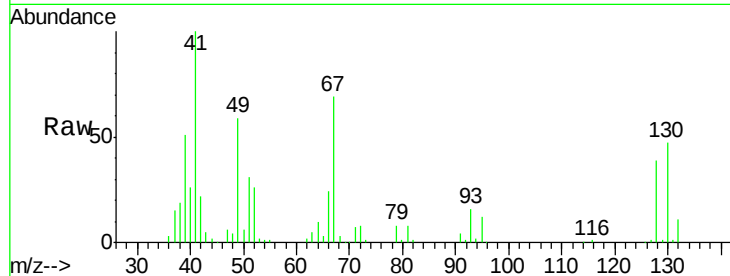
#41
Methacrylonitrile
Concen: 50.462 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN053815.D
Acq: 15 Feb 2019 22:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	59.1	46.8	70.2	
67	91.6	63.0	94.6	
52	35.2	23.8	35.8	

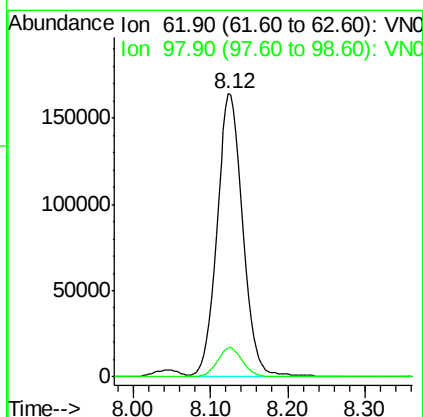
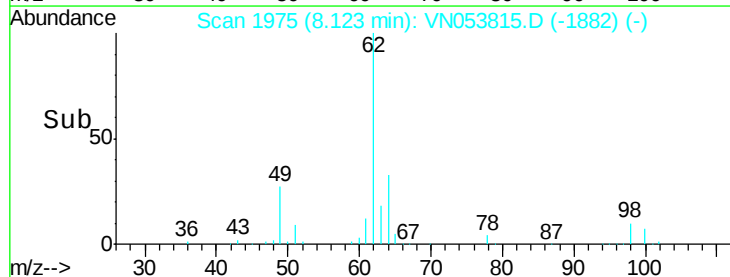
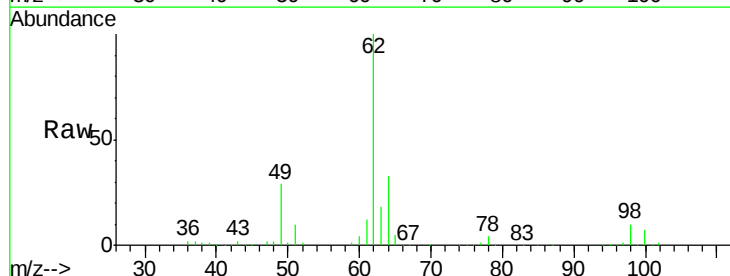
Manual Integrations
APPROVED

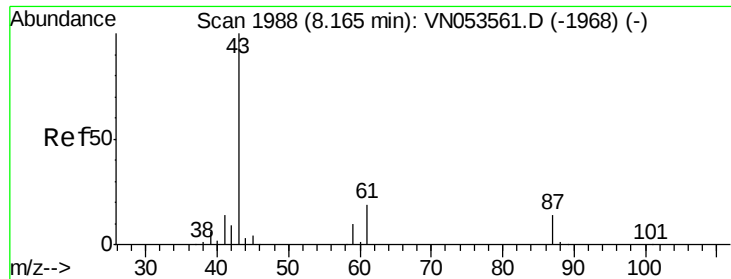
MMDadoda
2/18/2019 9:48:45 AM



#42
1,2-Dichloroethane
Concen: 48.406 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN053815.D
Acq: 15 Feb 2019 22:26

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





#43

Isopropyl Acetate

Concen: 48.535 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VN053815.D

Acq: 15 Feb 2019 22:26

Instrument :

MSVOA_N

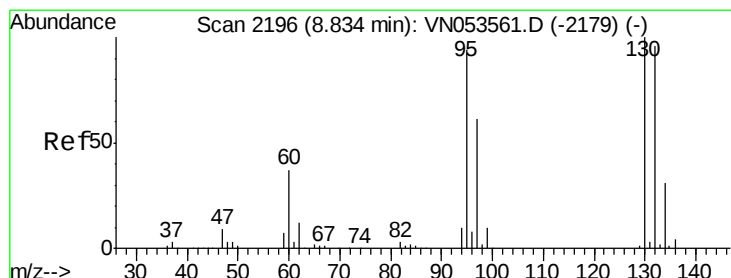
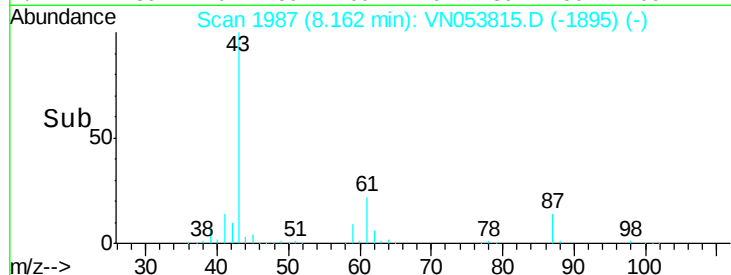
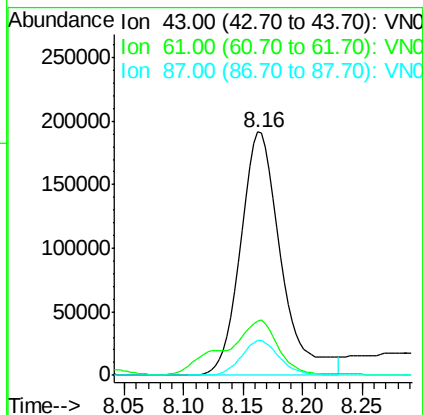
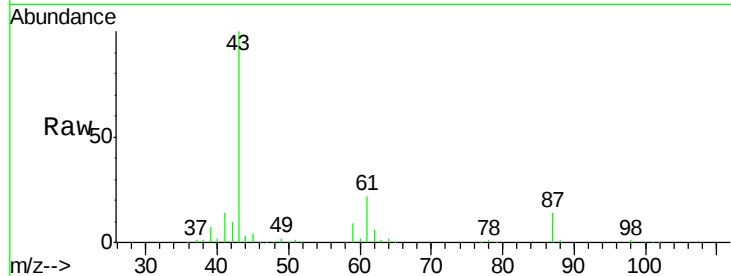
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	448820
Ion	Ratio	Lower	Upper
43	100		
61	29.5	23.9	35.9
87	13.7	11.0	16.6

Manual Integrations
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#44

Trichloroethene

Concen: 46.001 ug/l

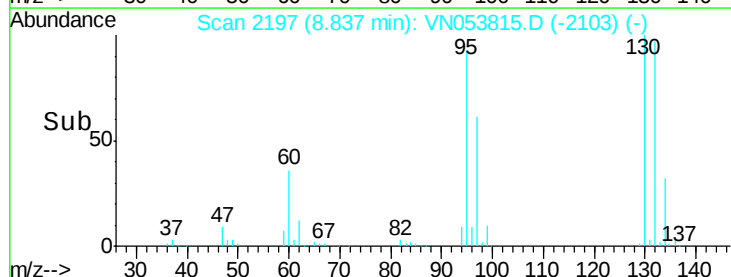
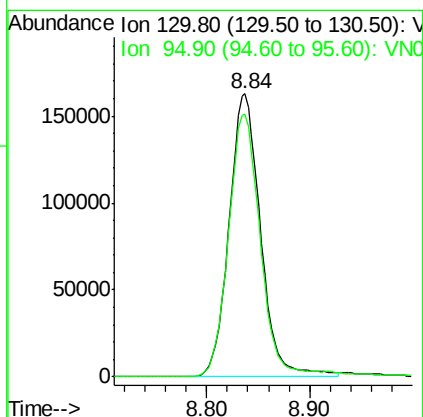
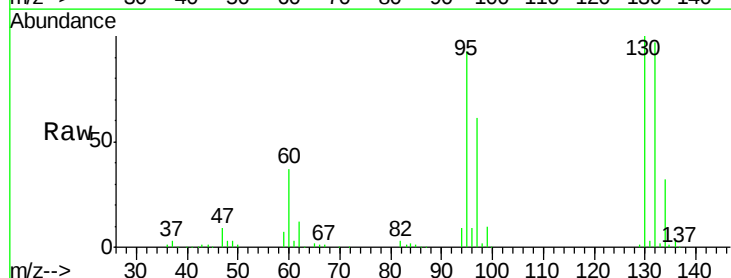
RT: 8.84 min Scan# 2197

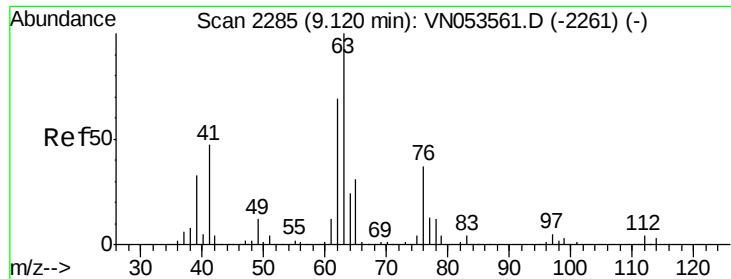
Delta R.T. 0.00 min

Lab File: VN053815.D

Acq: 15 Feb 2019 22:26

Tgt Ion:	130	Resp:	346242
Ion	Ratio	Lower	Upper
130	100		
95	92.8	0.0	191.4





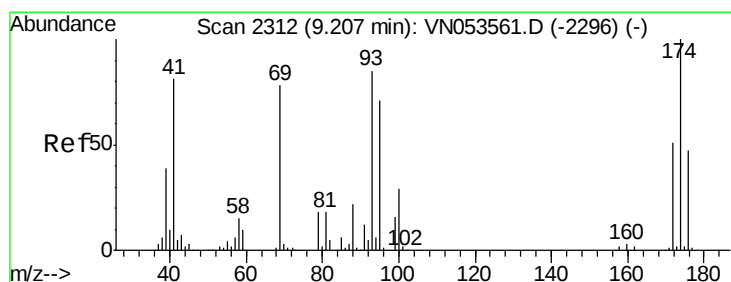
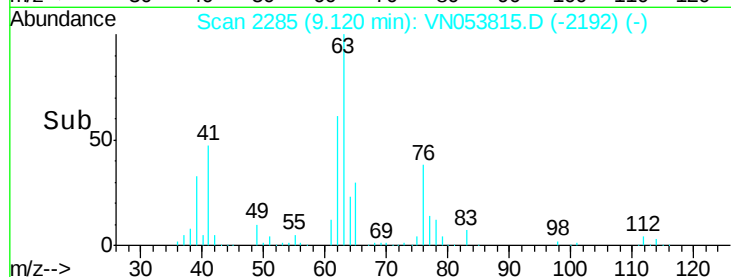
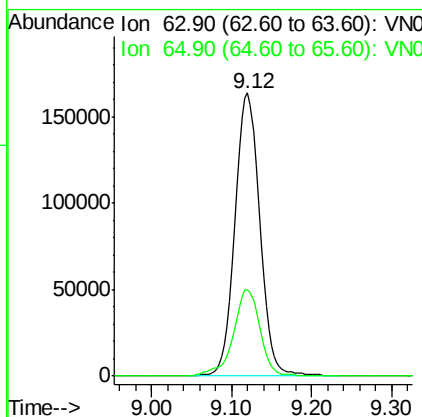
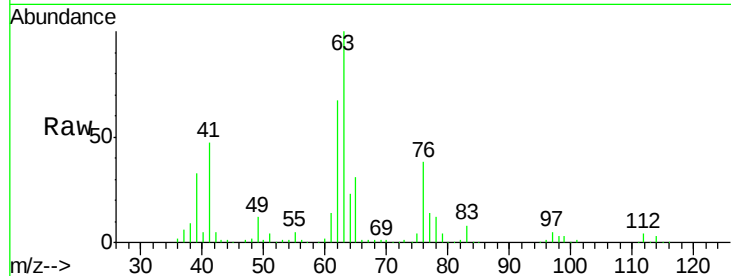
#45
 1,2-Dichloropropane
 Concen: 50.794 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN053815.D
 Acq: 15 Feb 2019 22:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 343480
 Ion Ratio Lower Upper
 63 100
 65 30.6 25.0 37.4

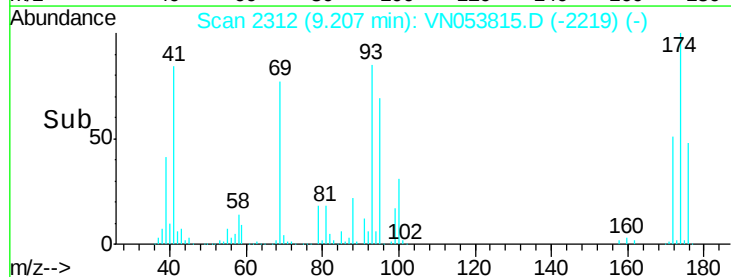
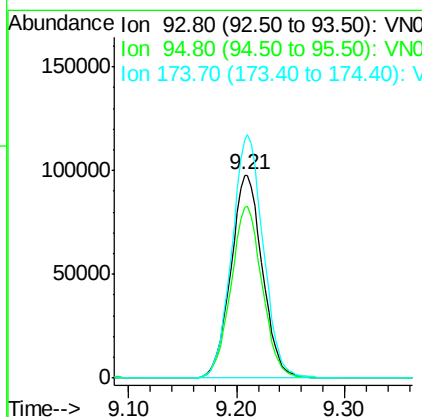
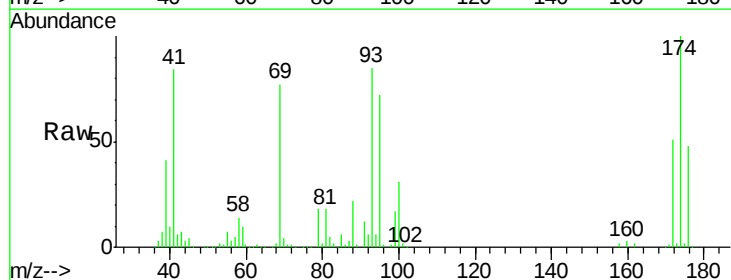
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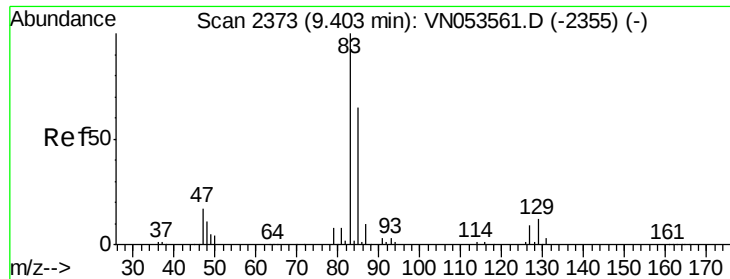
MMDadoda
 2/18/2019 9:48:45 AM



#46
 Dibromomethane
 Concen: 48.945 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN053815.D
 Acq: 15 Feb 2019 22:26

Tgt Ion: 93 Resp: 199519
 Ion Ratio Lower Upper
 93 100
 95 83.7 67.3 100.9
 174 119.0 91.0 136.4





#47

Bromodichloromethane

Concen: 50.167 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN053815.D

Acq: 15 Feb 2019 22:26

Instrument :

MSVOA_N

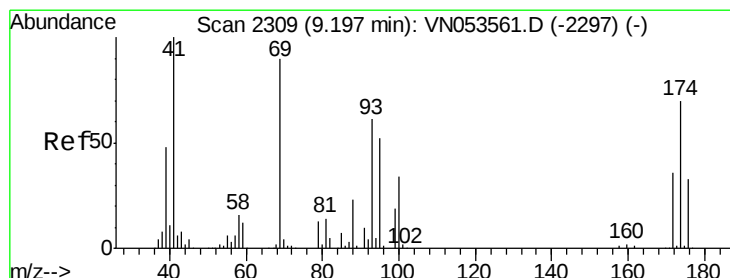
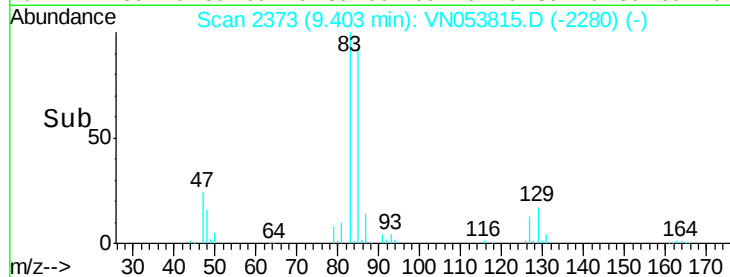
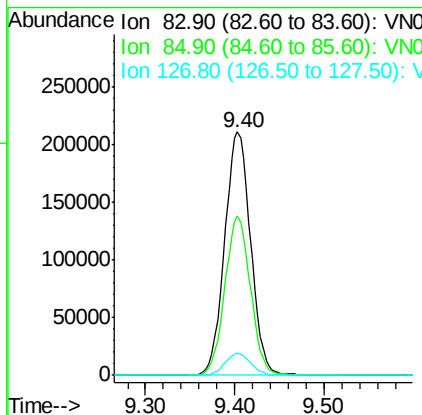
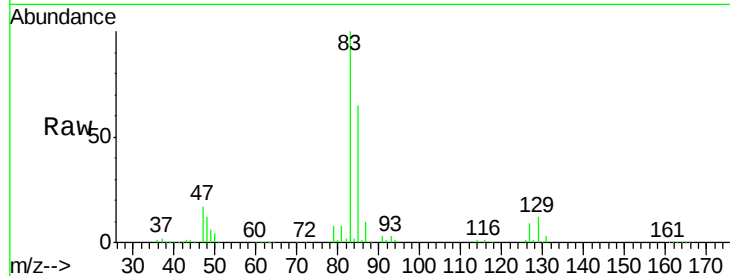
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	425195
Ion Ratio	Lower	Upper	
83	100		
85	65.1	51.0	76.6
127	9.1	7.0	10.6

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#48

Methyl methacrylate

Concen: 47.815 ug/l

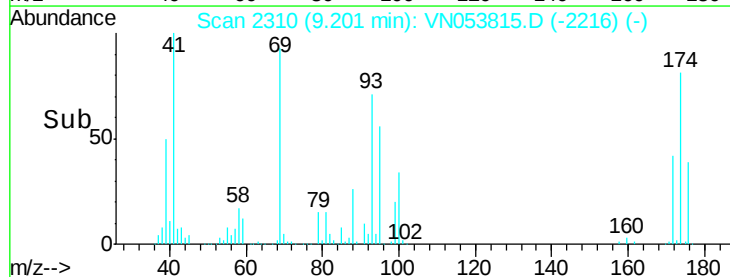
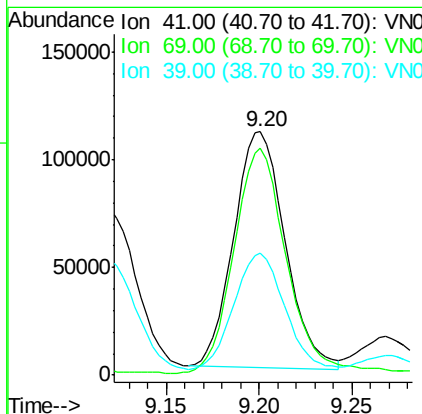
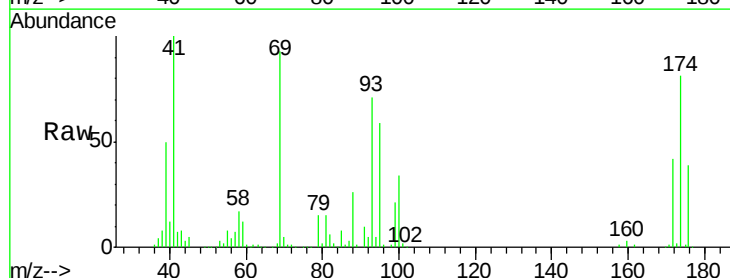
RT: 9.20 min Scan# 2310

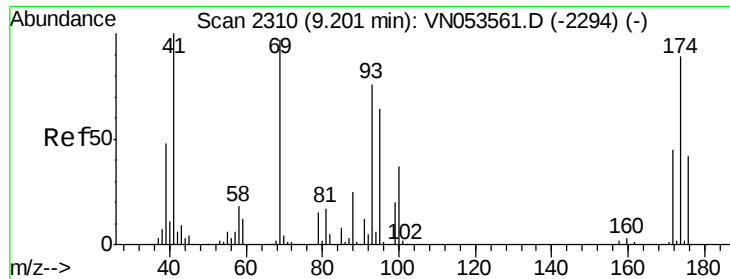
Delta R.T. 0.00 min

Lab File: VN053815.D

Acq: 15 Feb 2019 22:26

Tgt Ion:	41	Resp:	211062
Ion Ratio	Lower	Upper	
41	100		
69	101.0	73.8	110.6
39	53.8	40.0	60.0





#49

1,4-Dioxane

Concen: 990.703 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN053815.D

Acq: 15 Feb 2019 22:26

Instrument :

MSVOA_N

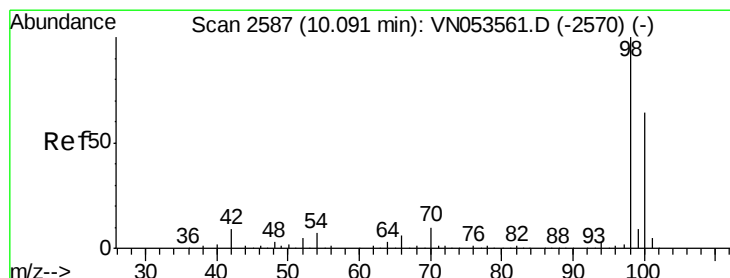
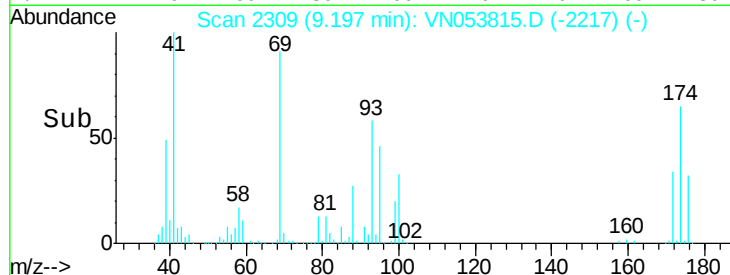
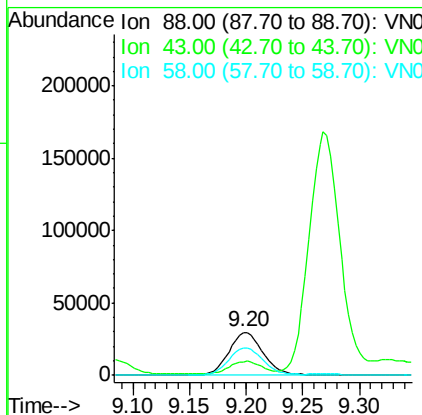
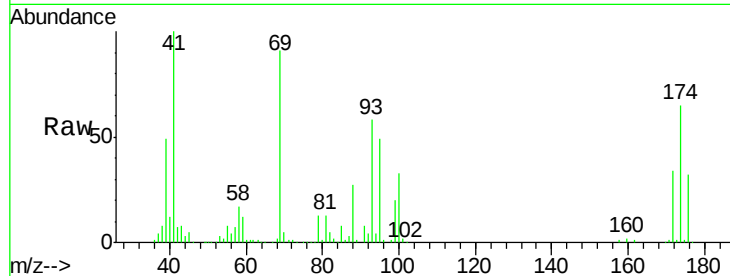
ClientSampleId :

VSTDCCC050

Tot Ion:	88	Resp:	63342
Ion	Ratio	Lower	Upper
88	100		
43	28.1	27.8	41.6
58	65.5	56.5	84.7

Manual Integrations
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#50

Toluene-d8

Concen: 49.709 ug/l

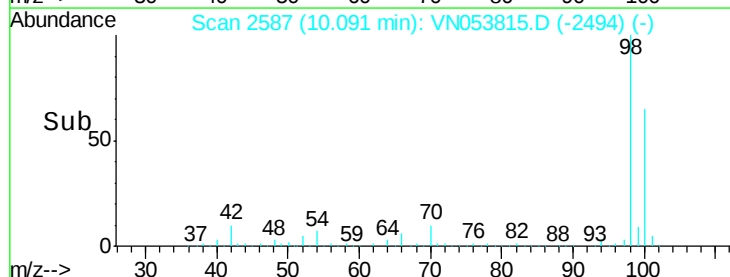
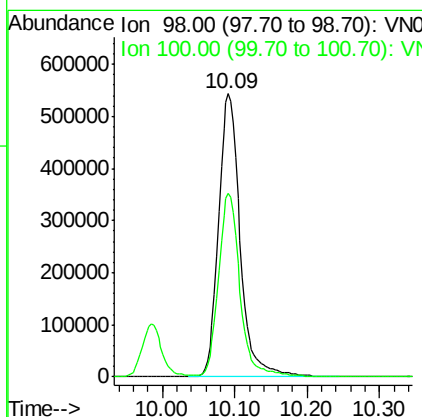
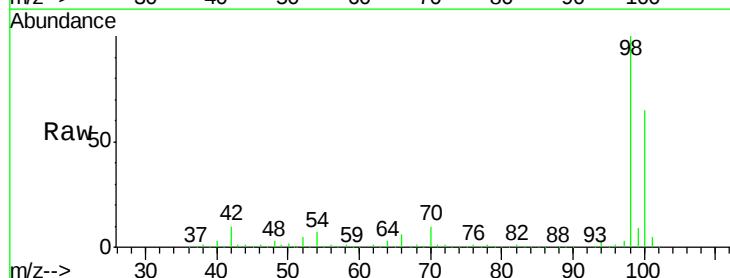
RT: 10.09 min Scan# 2587

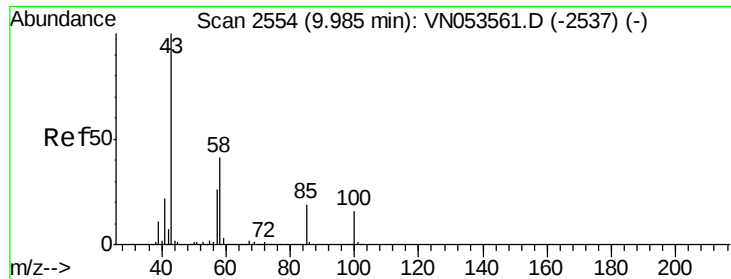
Delta R.T. 0.00 min

Lab File: VN053815.D

Acq: 15 Feb 2019 22:26

Tgt Ion:	98	Resp:	1121686
Ion	Ratio	Lower	Upper
98	100		
100	64.7	51.4	77.0





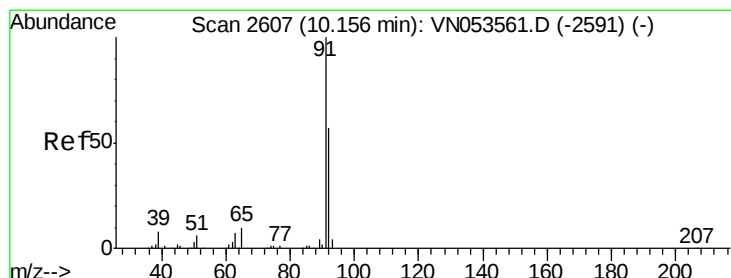
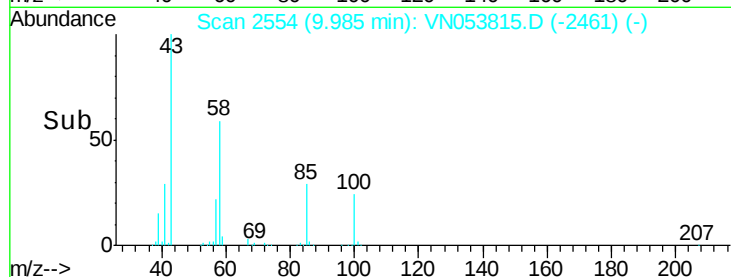
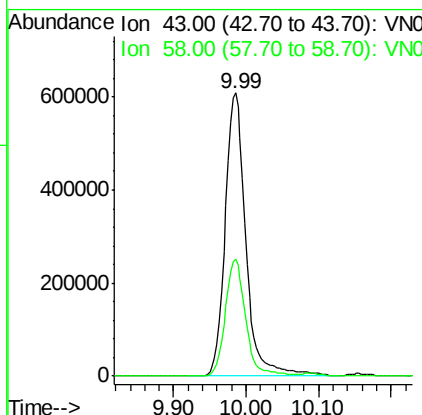
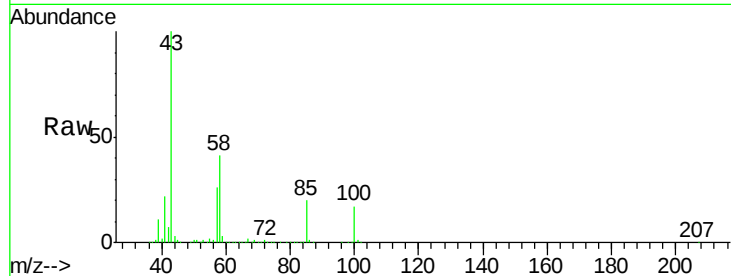
#51
4-Methyl-2-Pentanone
Concen: 264.443 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN053815.D
Acq: 15 Feb 2019 22:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1201671
Ion Ratio Lower Upper
43 100
58 41.0 32.8 49.2

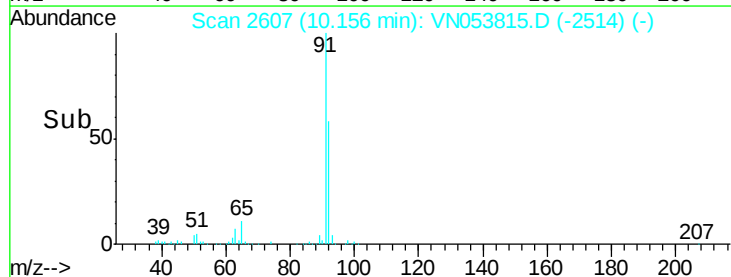
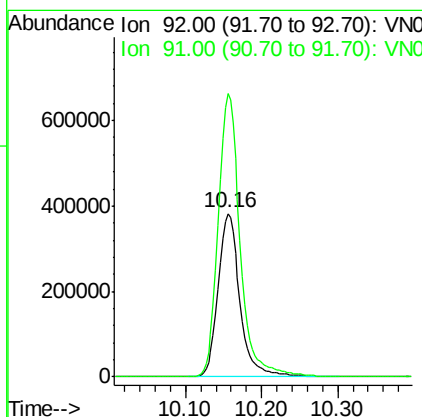
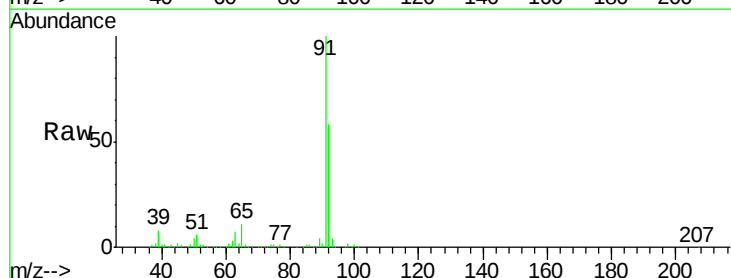
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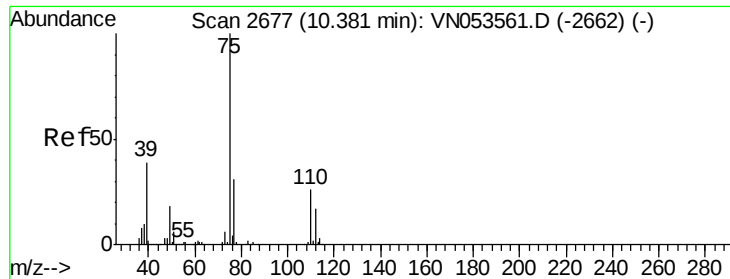
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#52
Toluene
Concen: 48.459 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN053815.D
Acq: 15 Feb 2019 22:26

Tgt Ion: 92 Resp: 760382
Ion Ratio Lower Upper
92 100
91 174.7 139.9 209.9





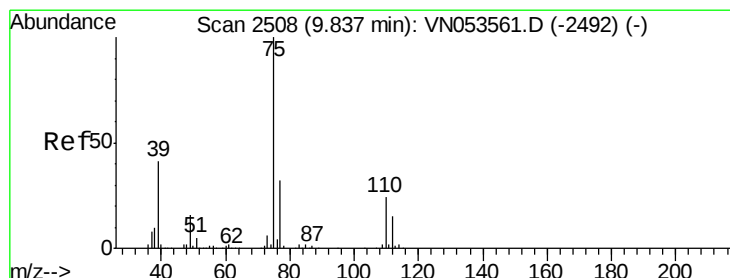
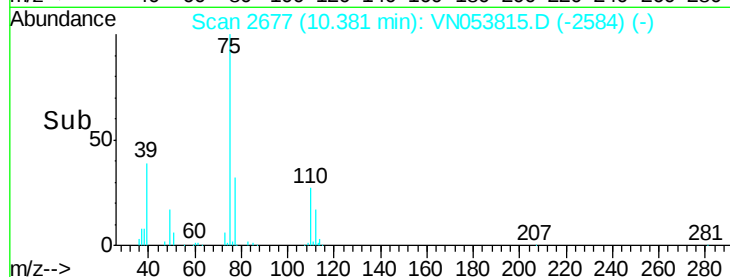
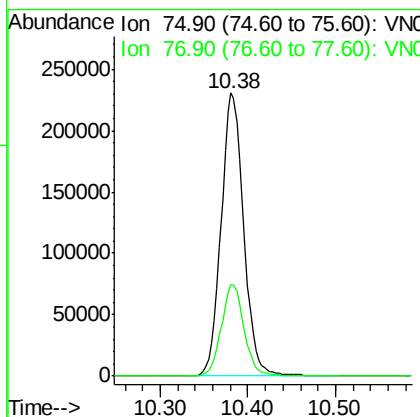
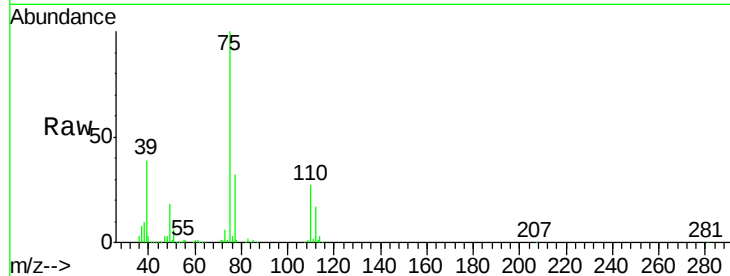
#53
t-1,3-Dichloropropene
Concen: 48.693 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN053815.D
Acq: 15 Feb 2019 22:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.2	25.5	38.3

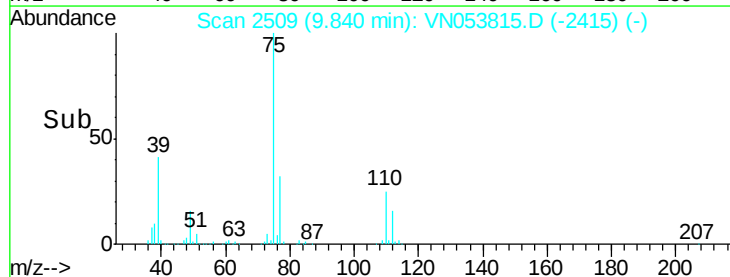
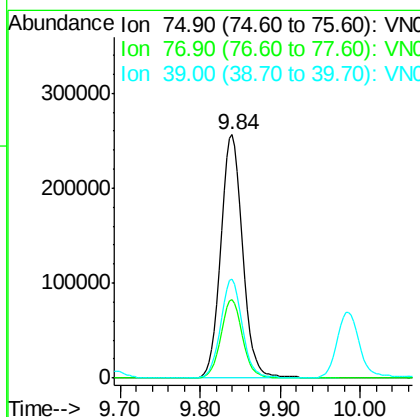
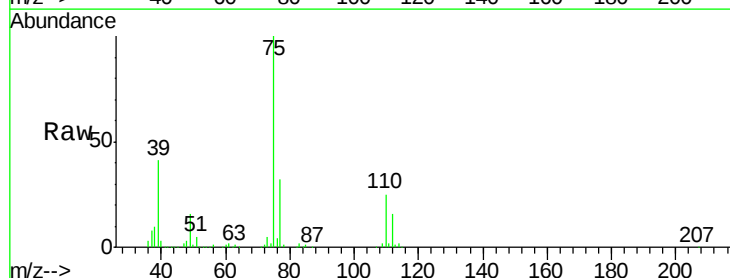
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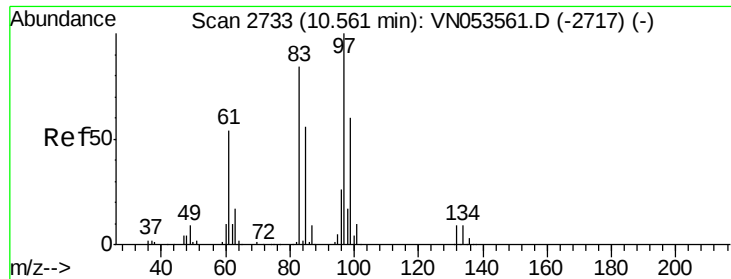
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#54
cis-1,3-Dichloropropene
Concen: 48.432 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN053815.D
Acq: 15 Feb 2019 22:26

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.4	25.8	38.6
39	40.5	33.4	50.0





#55

1,1,2-Trichloroethane

Concen: 50.951 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VN053815.D

Acq: 15 Feb 2019 22:26

Instrument :

MSVOA_N

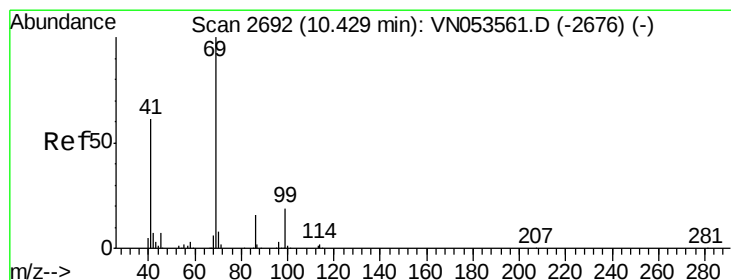
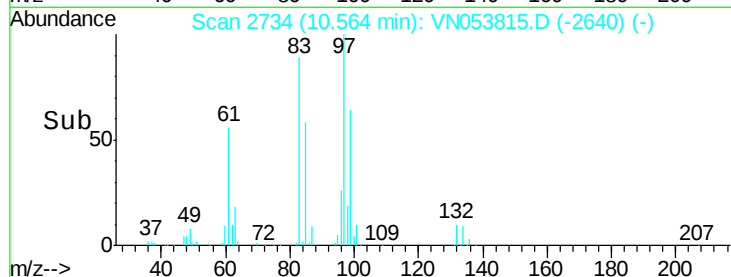
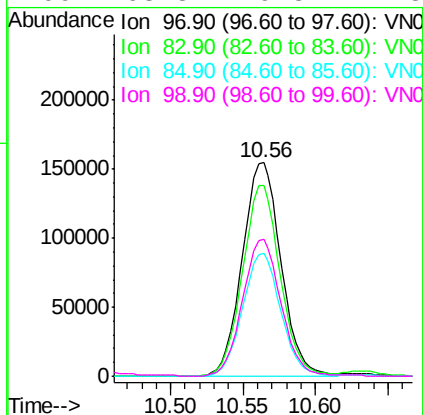
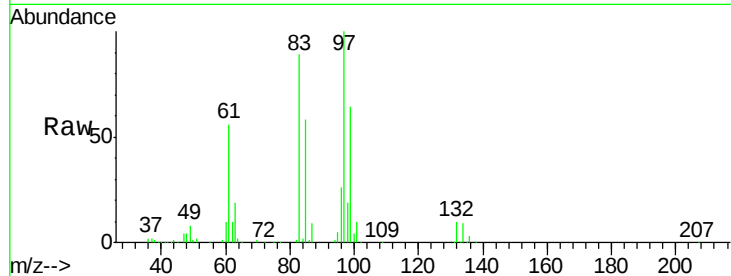
ClientSampleId :

VSTDCCC050

Tot Ion:	97	Resp:	288088
Ion	Ratio	Lower	Upper
97	100		
83	89.3	70.1	105.1
85	57.7	45.4	68.0
99	63.8	49.8	74.8

Manual Integrations
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#56

Ethyl methacrylate

Concen: 52.501 ug/l

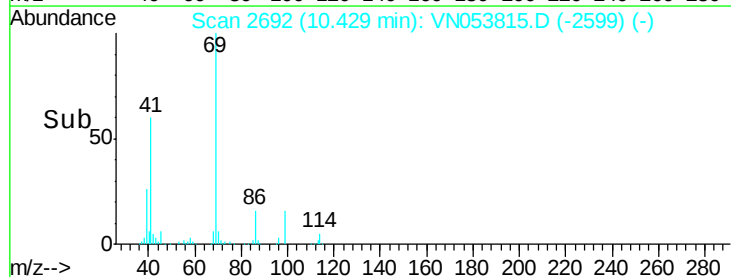
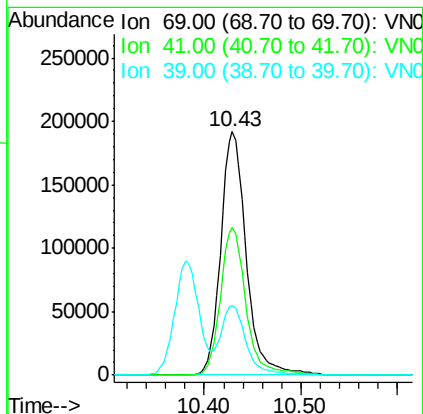
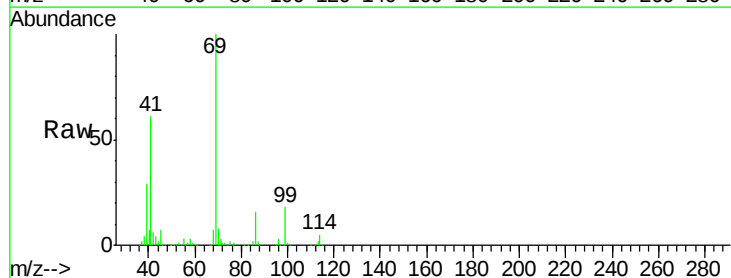
RT: 10.43 min Scan# 2692

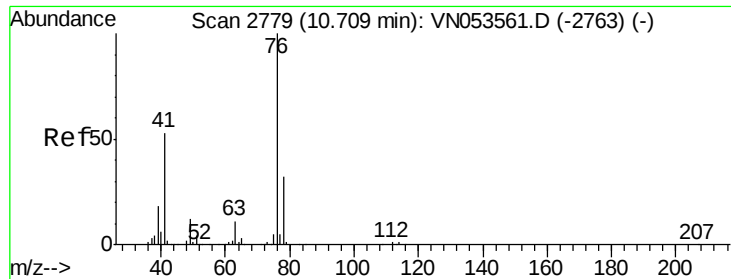
Delta R.T. 0.00 min

Lab File: VN053815.D

Acq: 15 Feb 2019 22:26

Tgt Ion:	69	Resp:	351169
Ion	Ratio	Lower	Upper
69	100		
41	60.5	49.4	74.0
39	28.7	23.3	34.9





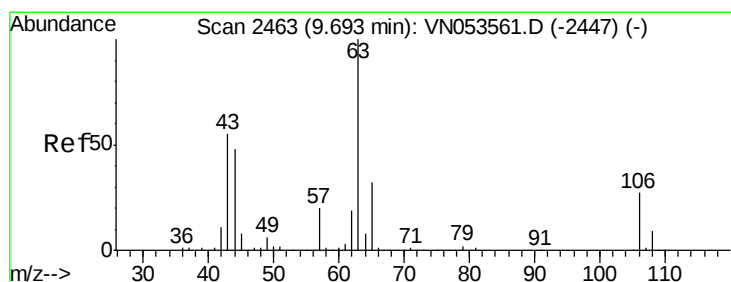
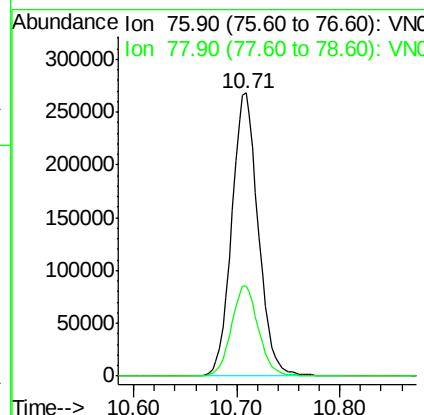
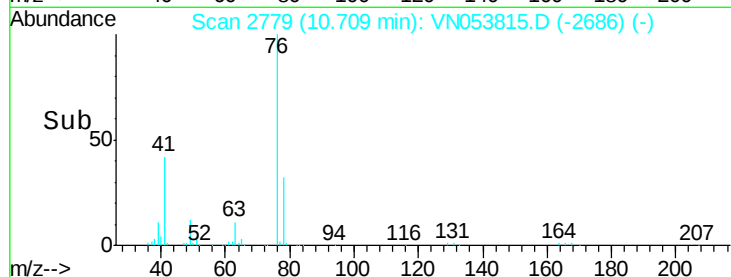
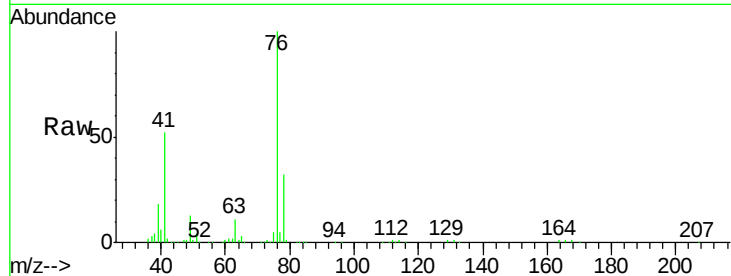
#57
 1,3-Dichloropropane
 Concen: 49.764 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN053815.D
 Acq: 15 Feb 2019 22:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 480883
 Ion Ratio Lower Upper
 76 100
 78 32.6 25.6 38.4

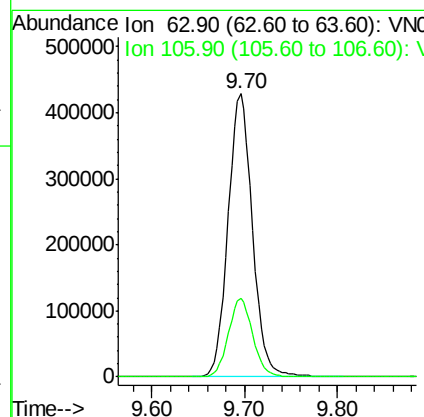
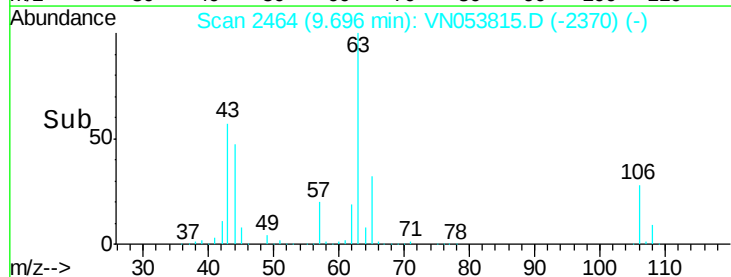
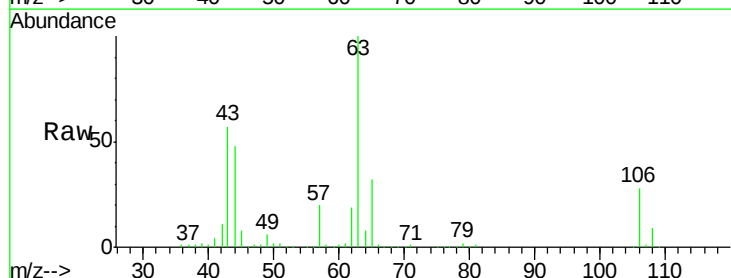
Manual Integrations
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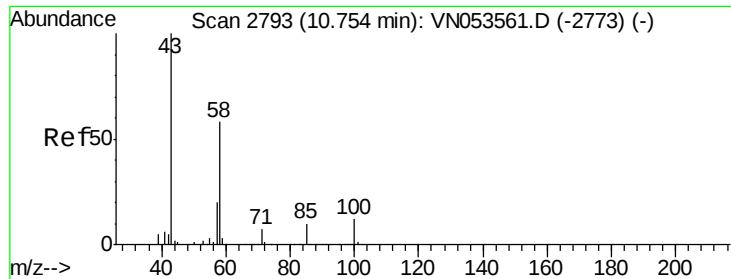
MMDadoda
 2/18/2019 9:48:45 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 190.447 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN053815.D
 Acq: 15 Feb 2019 22:26

Tgt Ion: 63 Resp: 781849
 Ion Ratio Lower Upper
 63 100
 106 27.9 21.5 32.3





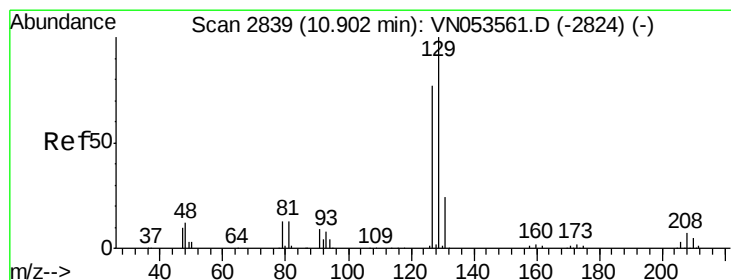
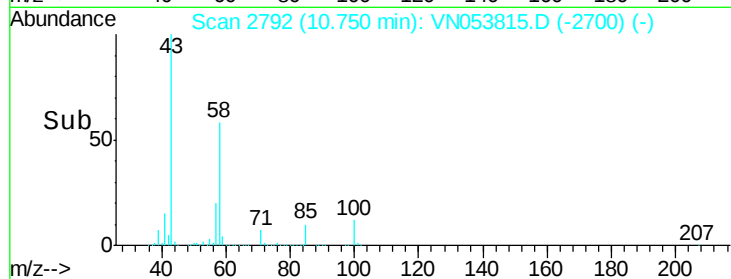
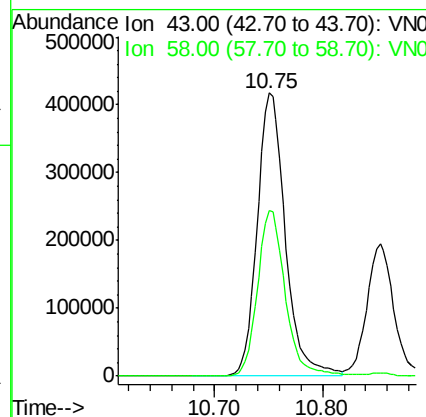
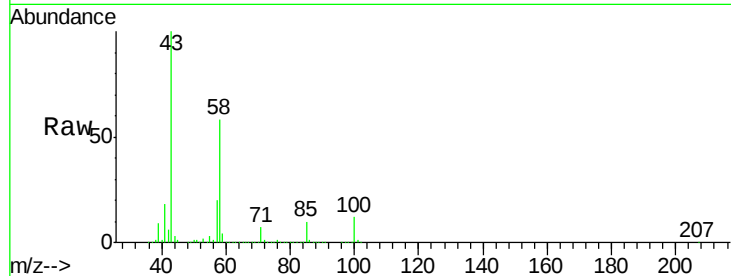
#59
2-Hexanone
Concen: 243.514 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN053815.D
Acq: 15 Feb 2019 22:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	58.1	28.6	85.8

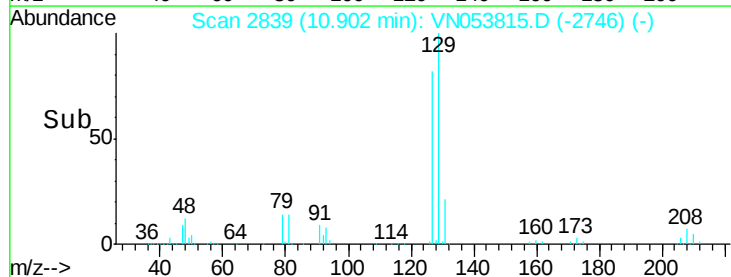
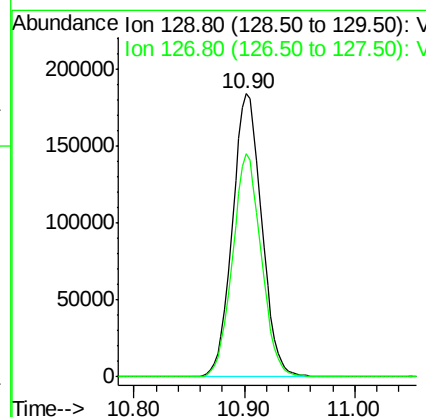
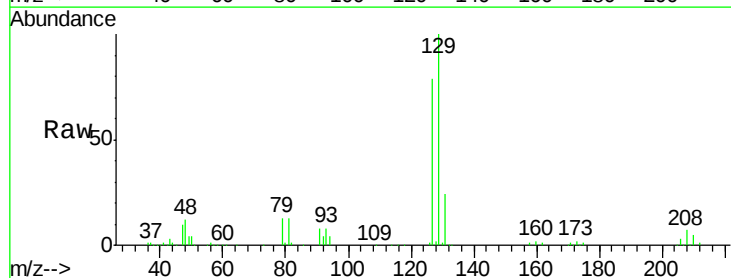
Manual Integrations
APPROVED

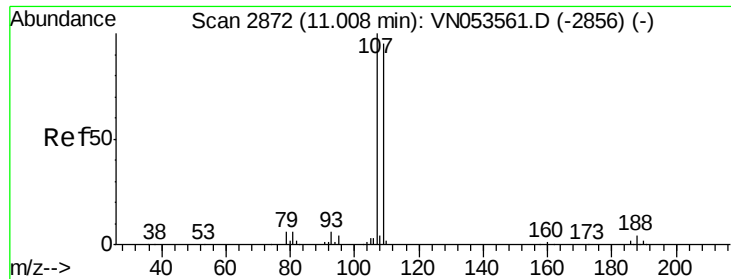
MMDadoda
2/18/2019 9:48:45 AM



#60
Dibromochloromethane
Concen: 53.210 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN053815.D
Acq: 15 Feb 2019 22:26

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.5	38.6	115.8





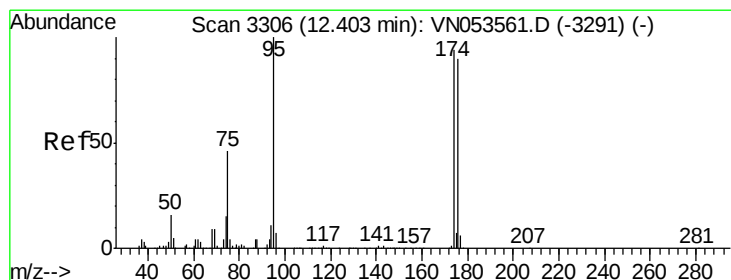
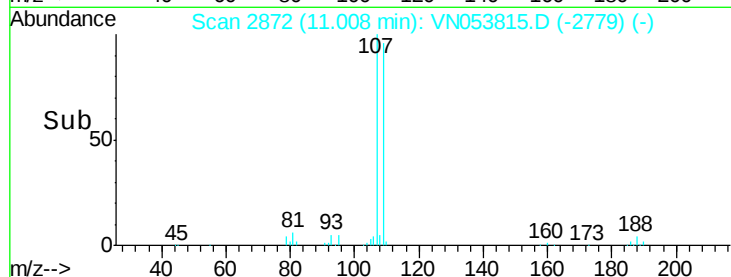
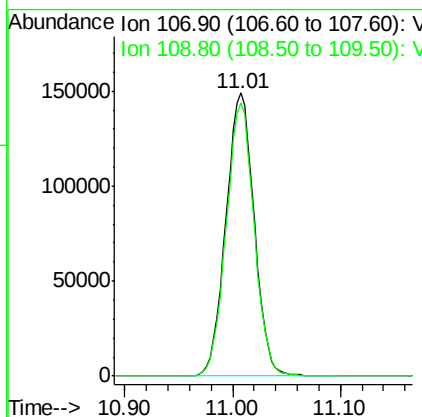
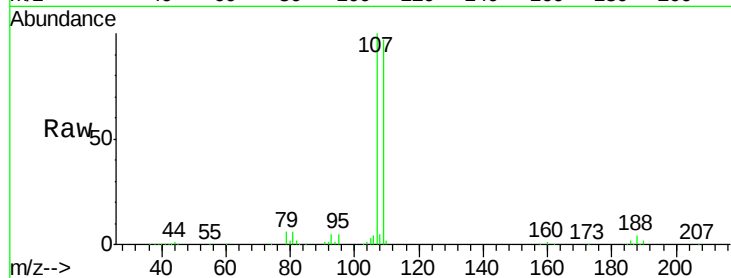
#61
 1,2-Dibromoethane
 Concen: 48.535 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VN053815.D
 Acq: 15 Feb 2019 22:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.3	75.7	113.5

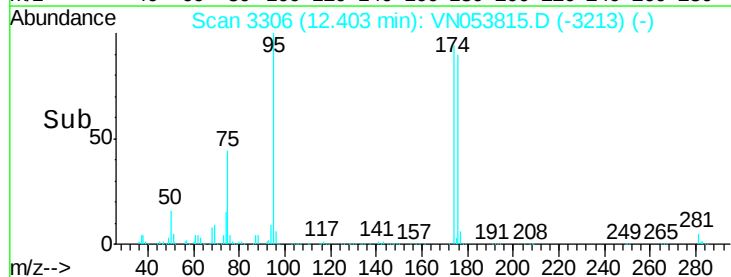
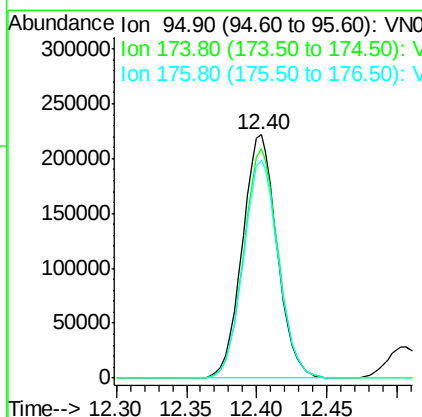
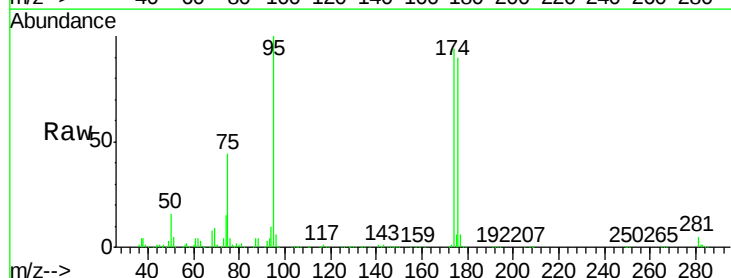
Manual Integrations
 APPROVED

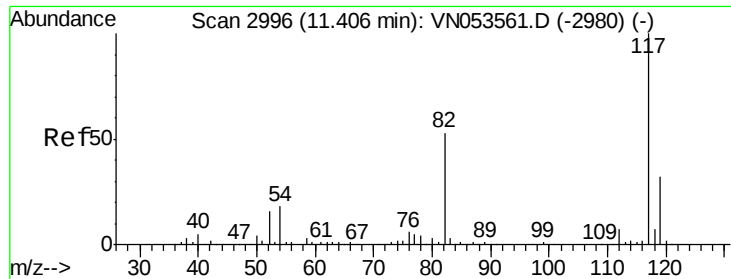
MMDadoda
 2/18/2019 9:48:45 AM



#62
 4-Bromofluorobenzene
 Concen: 50.526 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN053815.D
 Acq: 15 Feb 2019 22:26

Tgt Ion	Ratio	Lower	Upper
95	100		
174	94.2	0.0	183.2
176	90.9	0.0	177.4





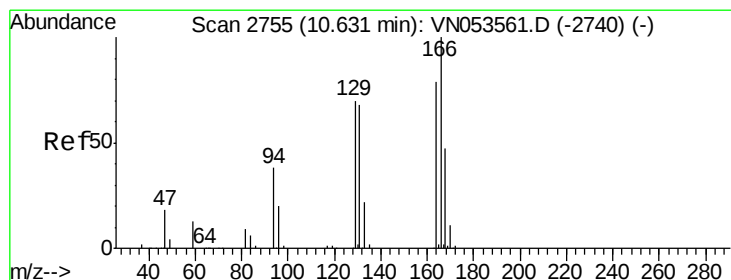
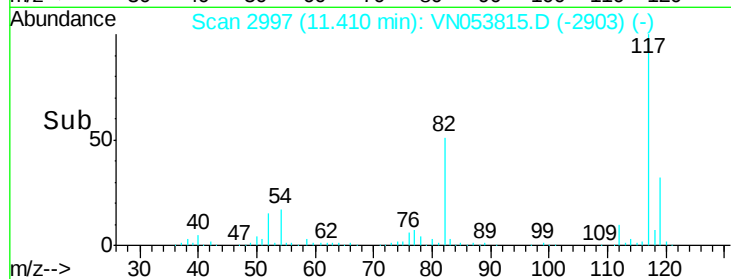
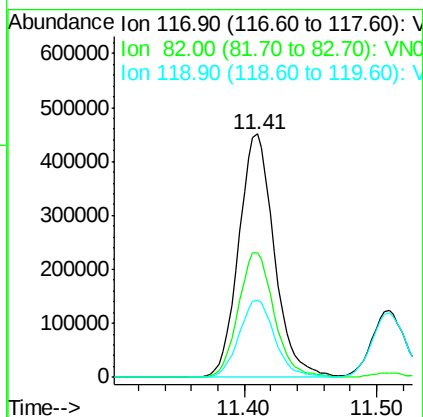
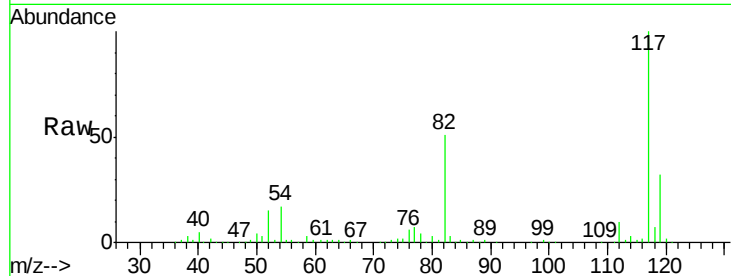
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN053815.D
Acq: 15 Feb 2019 22:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.4	42.9	64.3
119	31.9	26.0	39.0

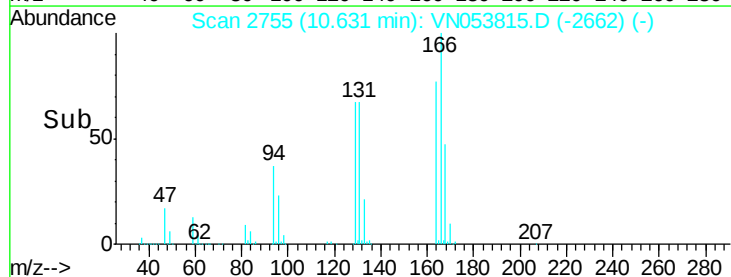
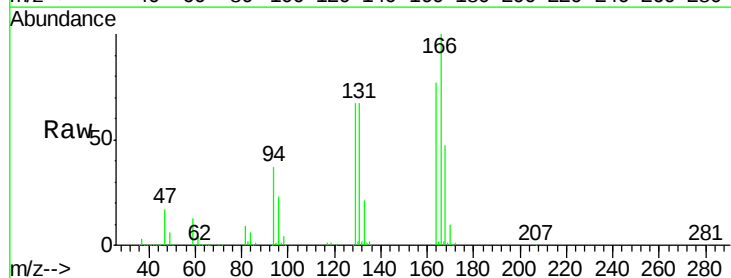
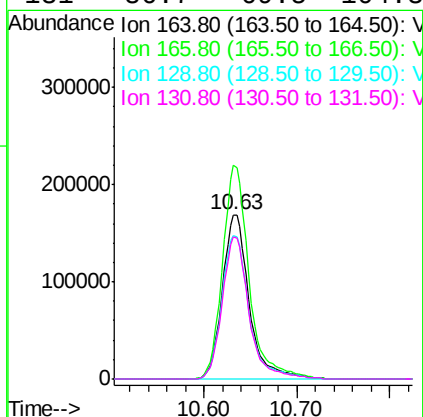
Manual Integrations
APPROVED

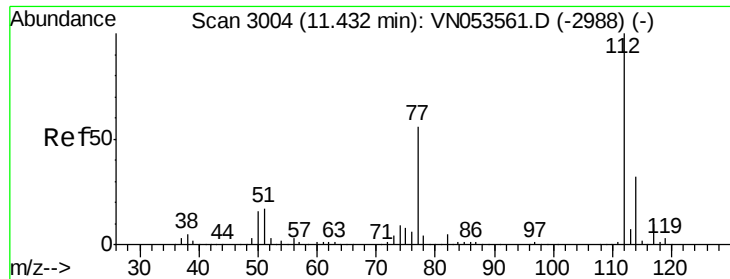
MMDadoda
2/18/2019 9:48:45 AM



#64
Tetrachloroethene
Concen: 46.968 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053815.D
Acq: 15 Feb 2019 22:26

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.1	102.2	153.4
129	87.6	72.6	109.0
131	86.7	69.5	104.3





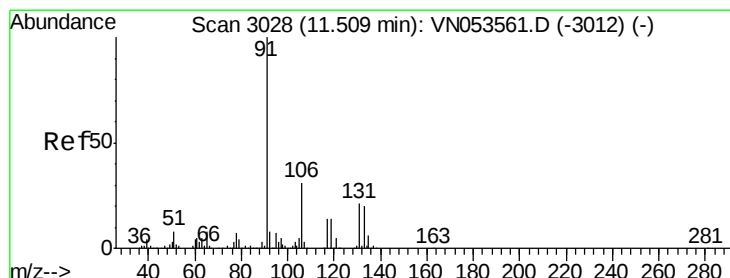
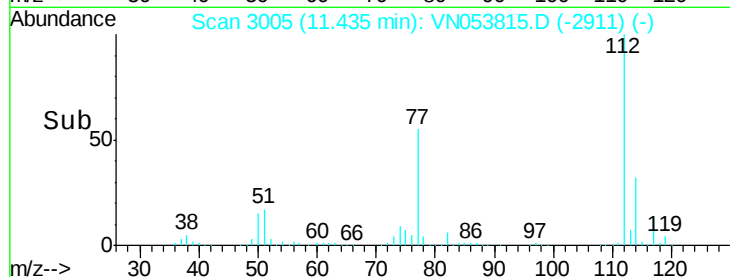
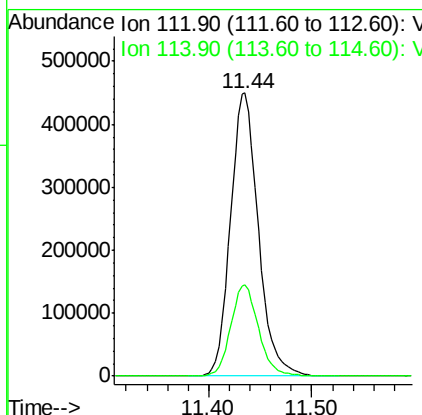
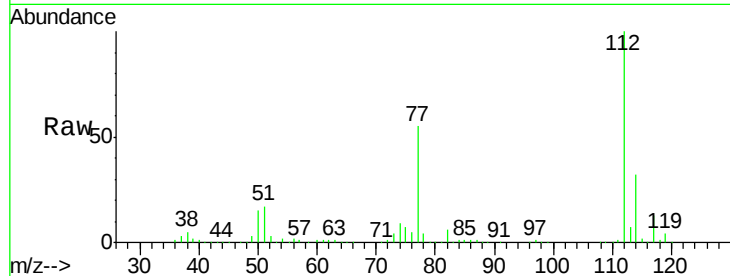
#65
Chlorobenzene
Concen: 47.434 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN053815.D
Acq: 15 Feb 2019 22:26

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion:112 Resp: 846109
Ion Ratio Lower Upper
112 100
114 32.2 25.3 37.9

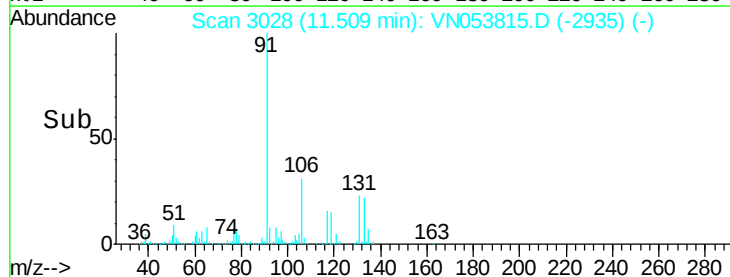
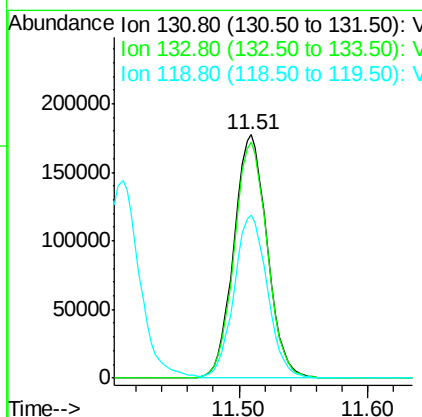
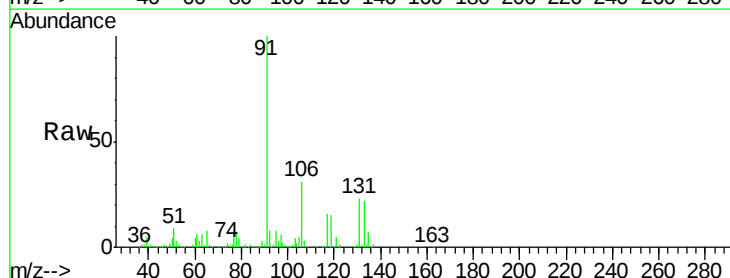
Manual Integrations
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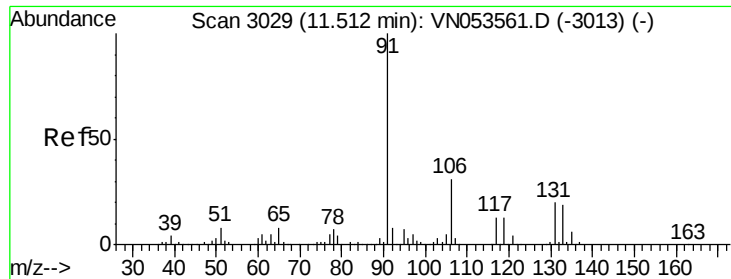
MMDadoda
2/18/2019 9:48:45 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 51.158 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN053815.D
Acq: 15 Feb 2019 22:26

Tgt Ion:131 Resp: 318700
Ion Ratio Lower Upper
131 100
133 96.5 48.0 144.0
119 66.8 33.5 100.5





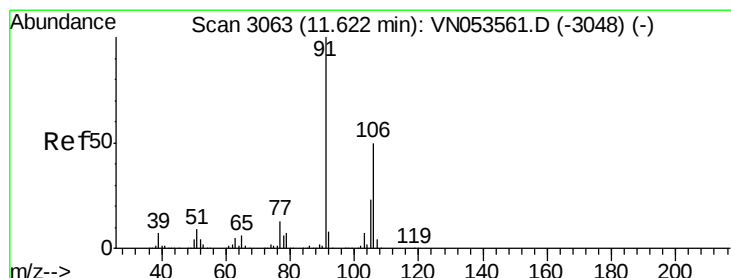
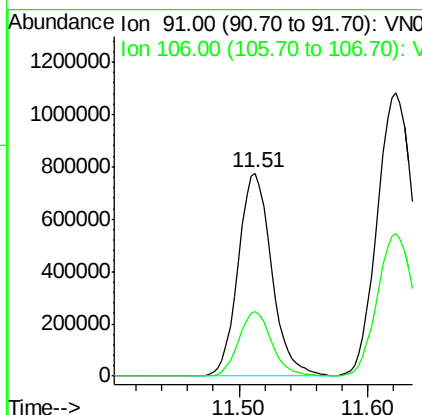
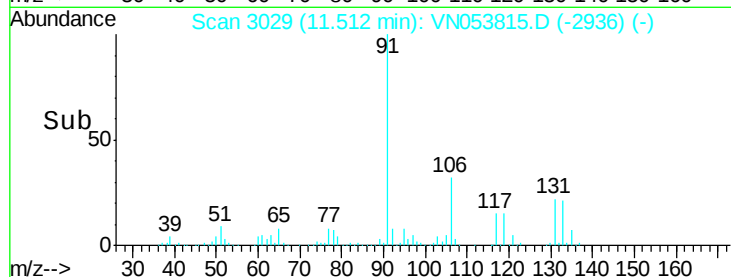
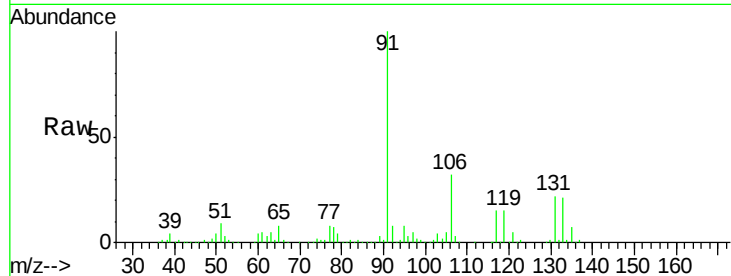
#67
Ethyl Benzene
Concen: 48.013 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN053815.D
Acq: 15 Feb 2019 22:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1406872
Ion Ratio Lower Upper
91 100
106 31.9 25.0 37.6

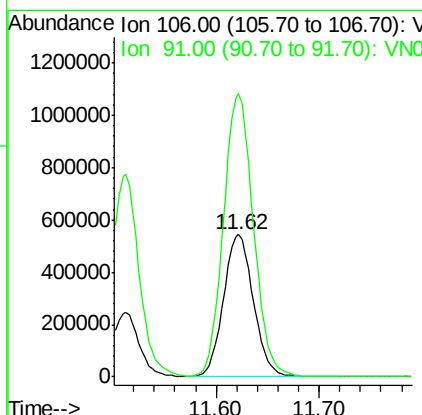
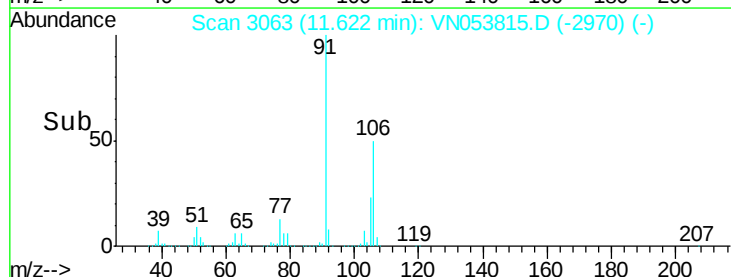
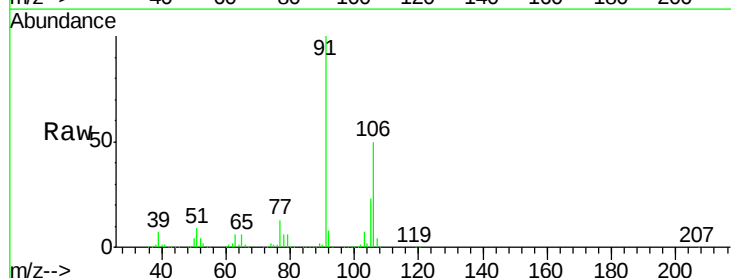
Manual Integrations
APPROVED

MMDadoda
2/18/2019 9:48:45 AM



#68
m/p-Xylenes
Concen: 97.934 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053815.D
Acq: 15 Feb 2019 22:26

Tgt Ion: 106 Resp: 1095243
Ion Ratio Lower Upper
106 100
91 199.6 161.4 242.2





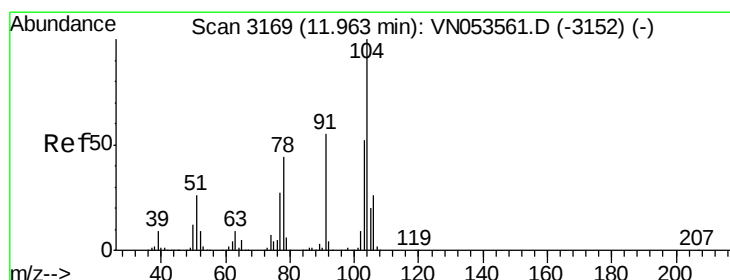
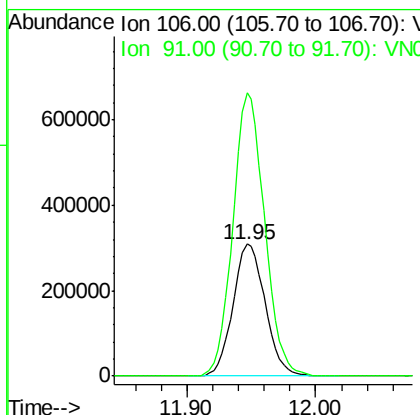
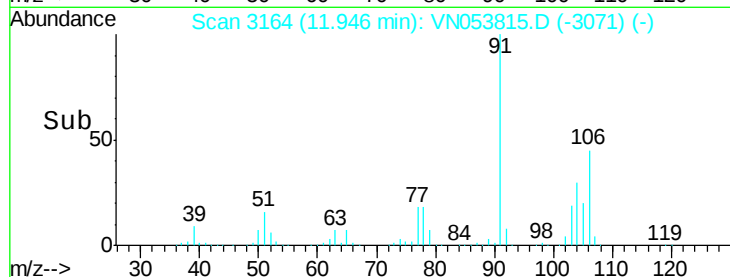
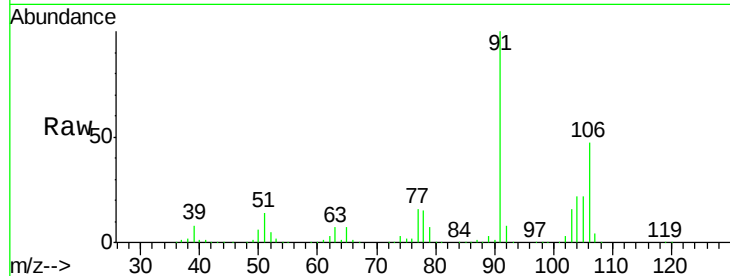
#69
o-Xylene
Concen: 49.531 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN053815.D
Acq: 15 Feb 2019 22:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		535151		
91	211.6	106.9	320.8		

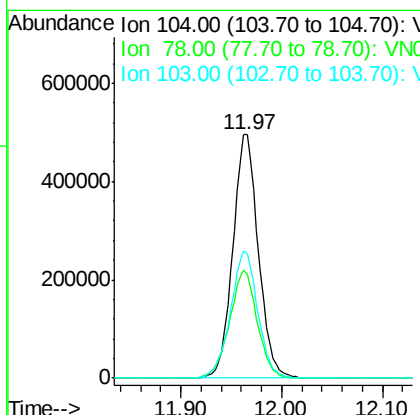
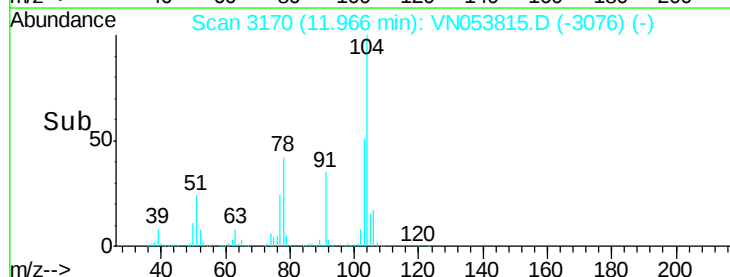
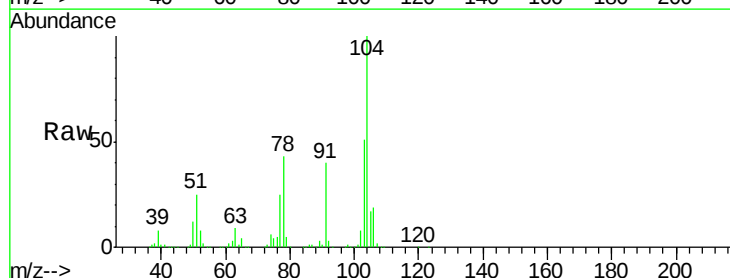
Manual Integrations
APPROVED

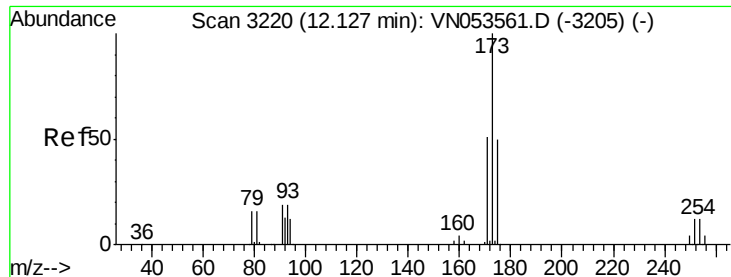
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#70
Styrene
Concen: 49.635 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN053815.D
Acq: 15 Feb 2019 22:26

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		869196		
78	48.1	38.2	57.2		
103	55.8	44.4	66.6		





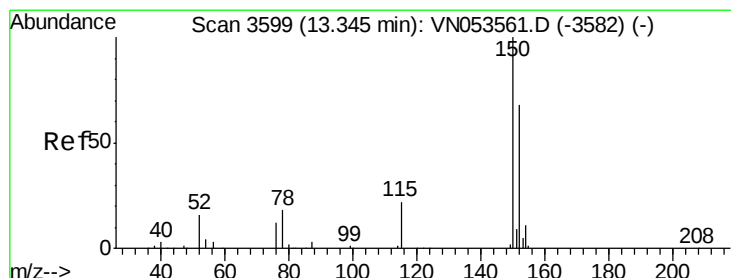
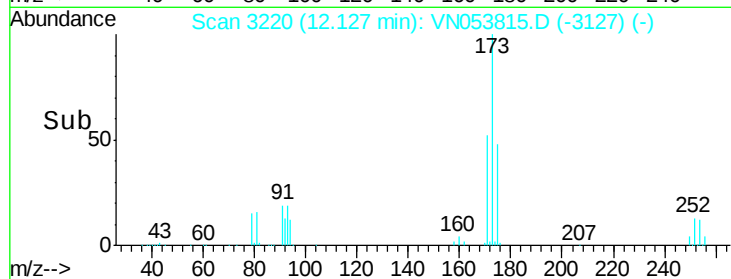
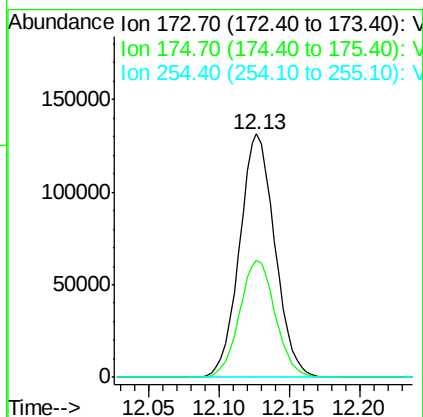
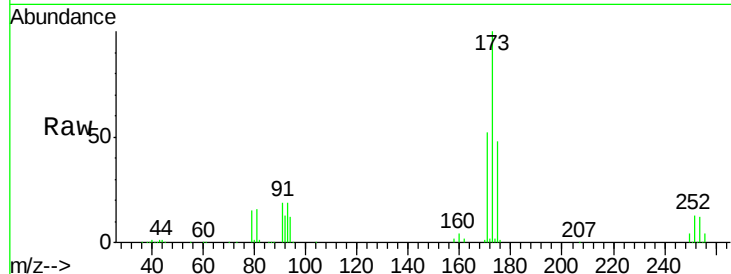
#71
Bromoform
Concen: 53.943 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN053815.D
Acq: 15 Feb 2019 22:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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

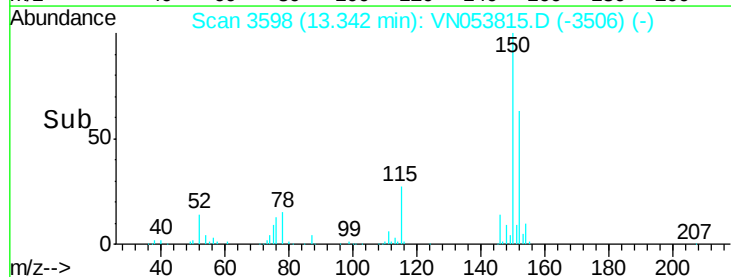
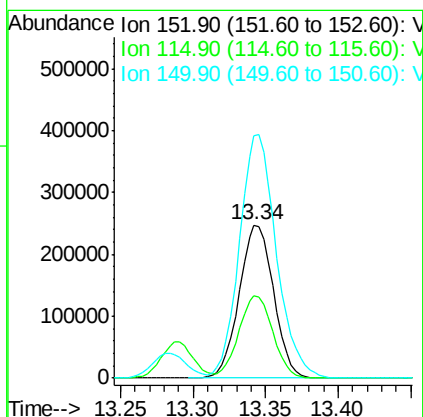
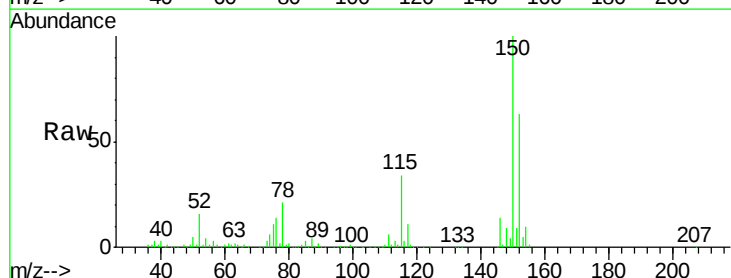
Manual Integrations
APPROVED

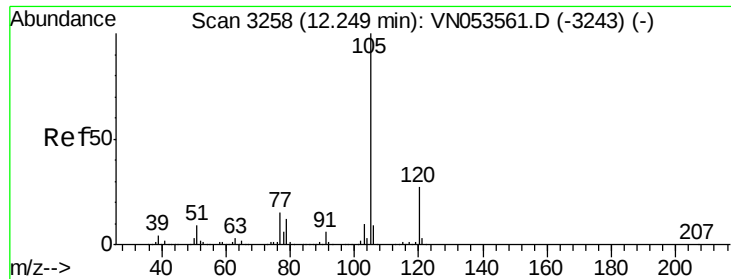
MMDadoda
2/18/2019 9:48:45 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN053815.D
Acq: 15 Feb 2019 22:26

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.5	27.8	83.4
150	171.0	0.0	349.0





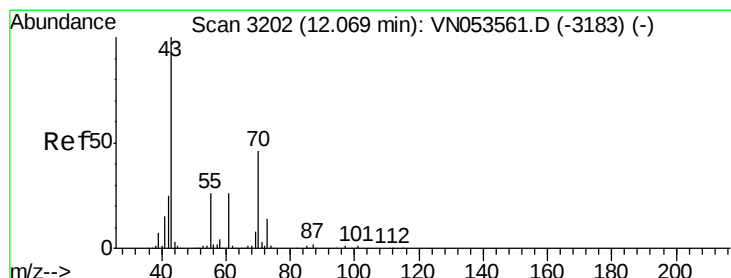
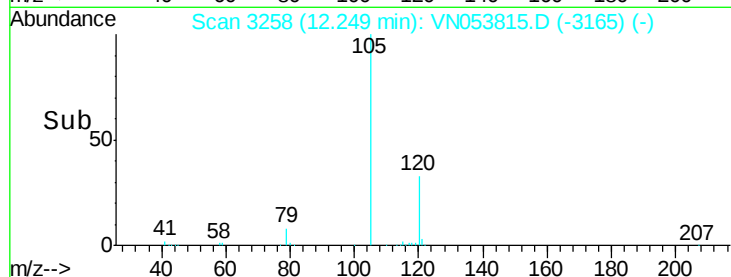
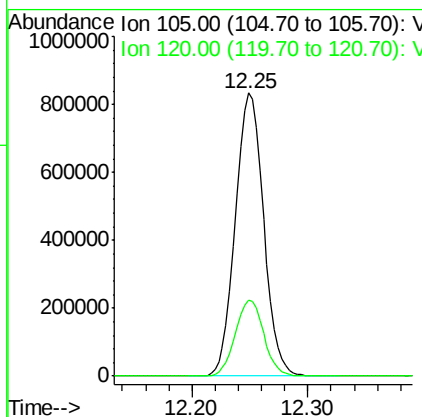
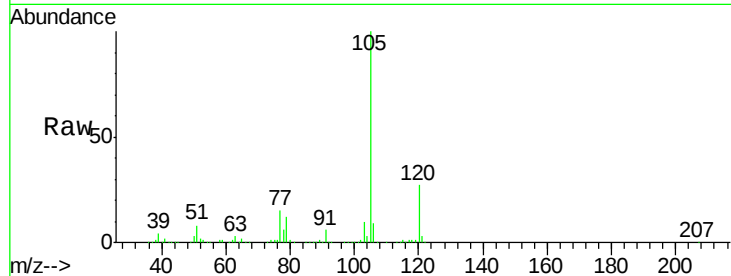
#73
Isopropylbenzene
Concen: 48.924 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN053815.D
Acq: 15 Feb 2019 22:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 105 Resp: 1403767
Ion Ratio Lower Upper
105 100
120 27.1 13.6 40.7

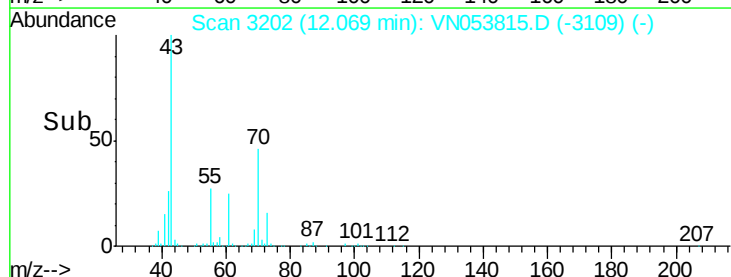
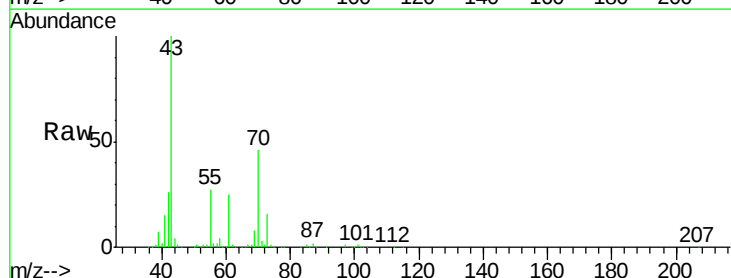
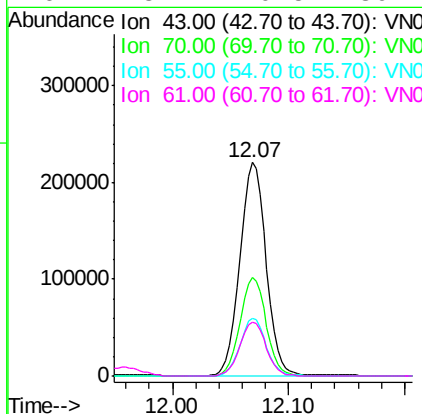
Manual Integrations
APPROVED

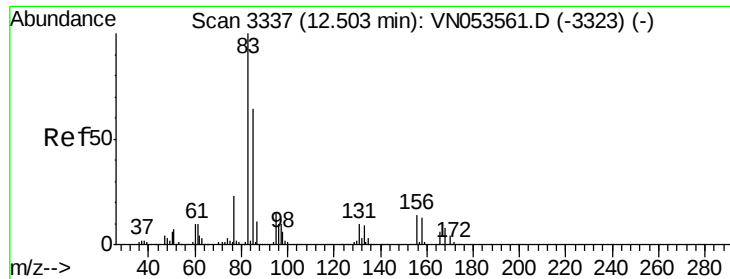
MMDadoda
2/18/2019 9:48:45 AM



#74
N-ethyl acetate
Concen: 49.912 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VN053815.D
Acq: 15 Feb 2019 22:26

Tgt Ion: 43 Resp: 344374
Ion Ratio Lower Upper
43 100
70 46.1 35.4 53.2
55 27.0 20.9 31.3
61 25.7 20.5 30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 49.225 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN053815.D

Acq: 15 Feb 2019 22:26

Instrument :

MSVOA_N

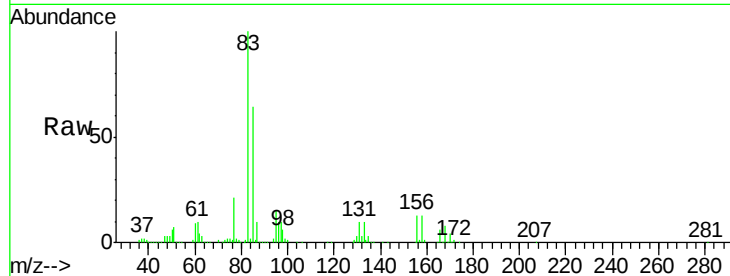
ClientSampleId :

VSTDCCC050

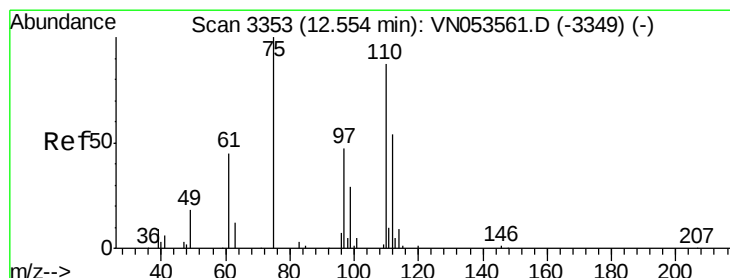
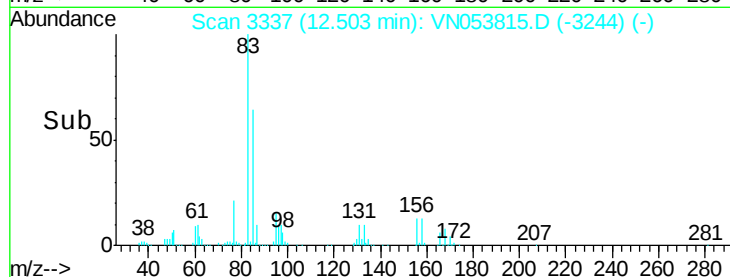
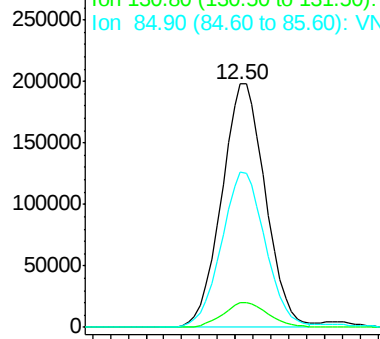
Tot Ion:	83	Resp:	338018
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.3	15.8
85	64.0	32.1	96.3

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



#76

1,2,3-Trichloropropane

Concen: 56.900 ug/l m

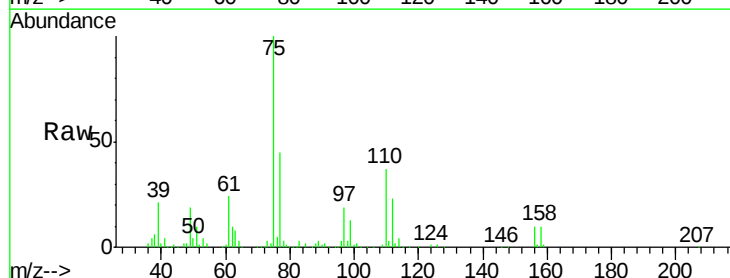
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

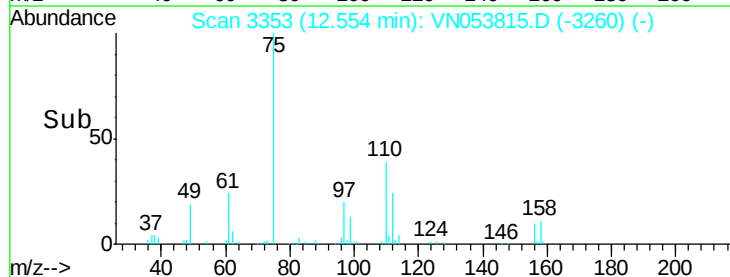
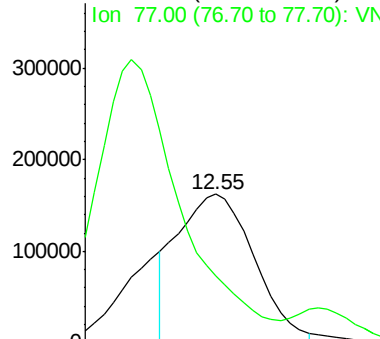
Lab File: VN053815.D

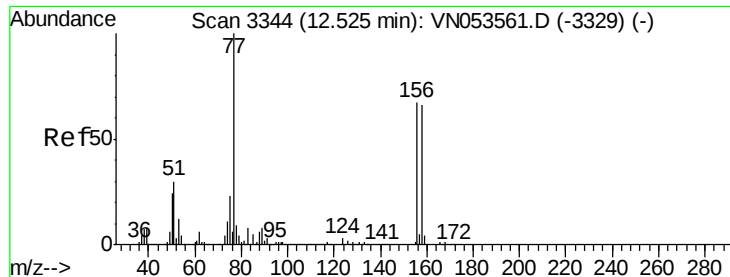
Acq: 15 Feb 2019 22:26

Tgt Ion:	75	Resp:	298296
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



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





#77

Bromobenzene

Concen: 48.610 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053815.D

Acq: 15 Feb 2019 22:26

Instrument :

MSVOA_N

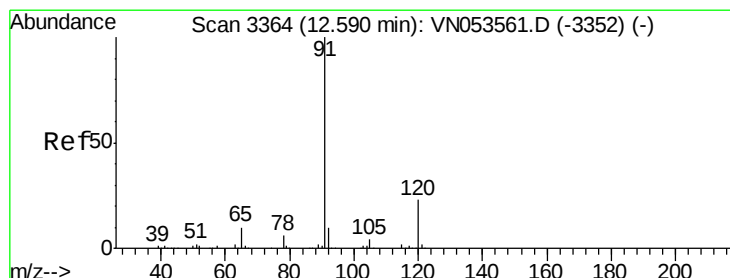
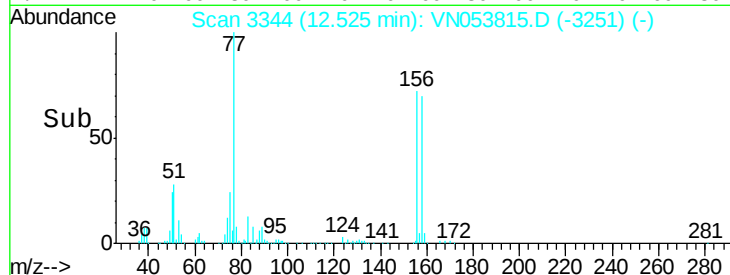
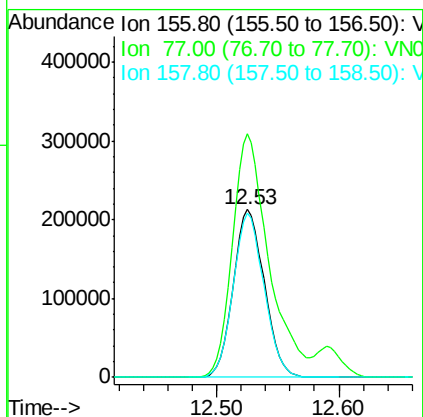
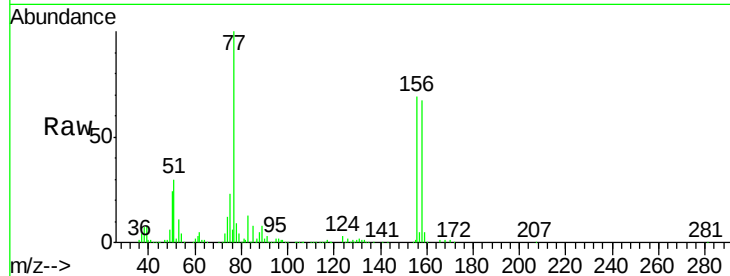
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	375891
Ion Ratio	Lower	Upper	
156	100		
77	170.3	87.9	263.8
158	97.2	48.8	146.4

Manual Integrations
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MMDadoda
2/18/2019 9:48:45 AM



#78

n-propylbenzene

Concen: 48.401 ug/l

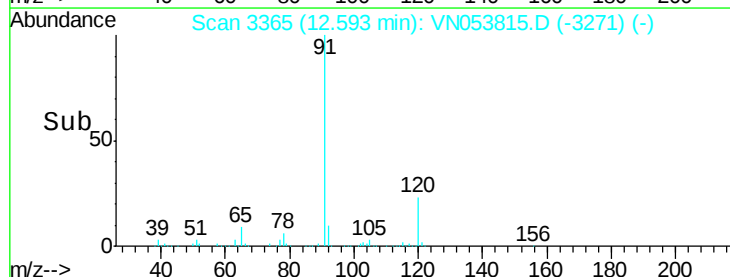
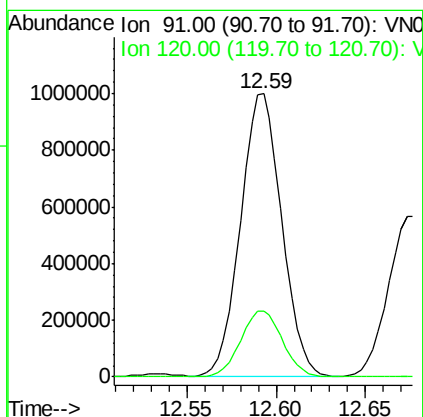
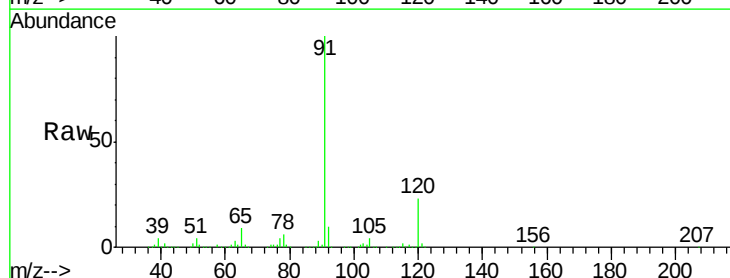
RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN053815.D

Acq: 15 Feb 2019 22:26

Tgt Ion:	91	Resp:	1605395
Ion Ratio	Lower	Upper	
91	100		
120	23.7	11.9	35.5





#79

2-Chlorotoluene

Concen: 48.560 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN053815.D

Acq: 15 Feb 2019 22:26

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 95583

Ion Ratio Lower Upper

91 100

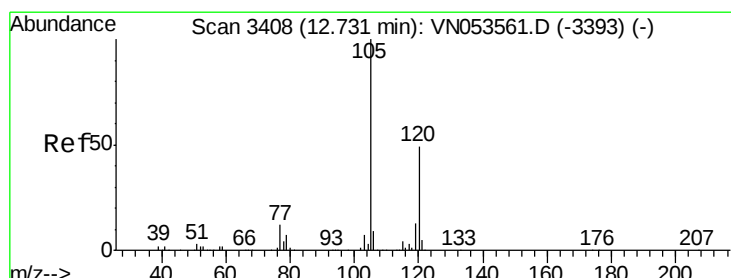
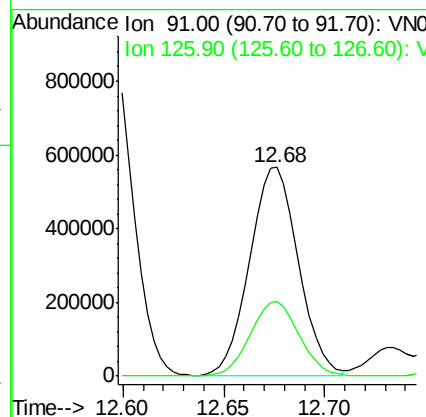
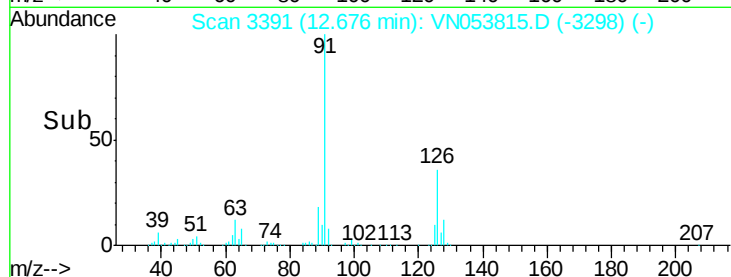
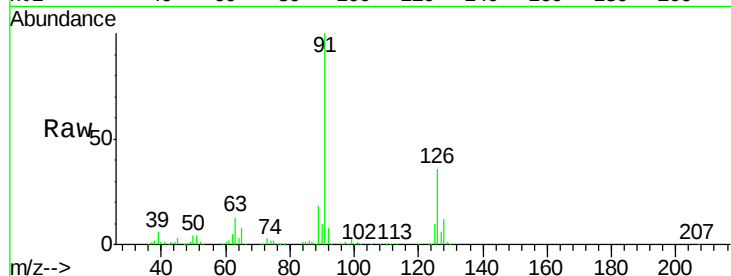
126 36.1 17.9 53.7

Manual Integrations

APPROVED

MMDadoda

2/18/2019 9:48:45 AM



#80

1,3,5-Trimethylbenzene

Concen: 50.414 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN053815.D

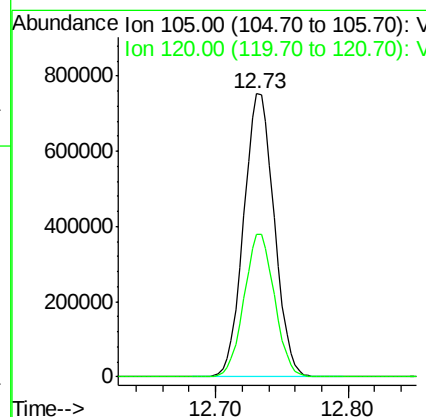
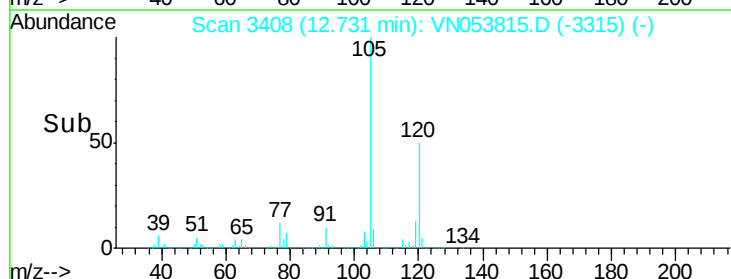
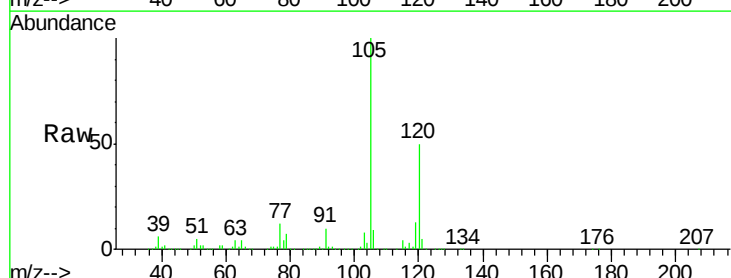
Acq: 15 Feb 2019 22:26

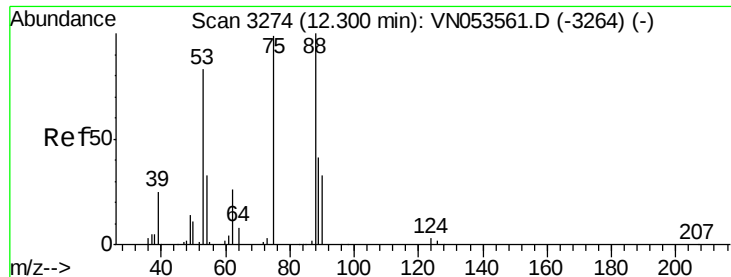
Tgt Ion: 105 Resp: 1199507

Ion Ratio Lower Upper

105 100

120 50.3 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 46.687 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN053815.D

Acq: 15 Feb 2019 22:26

Instrument :

MSVOA_N

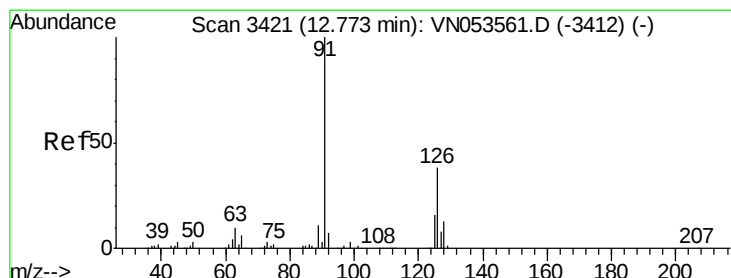
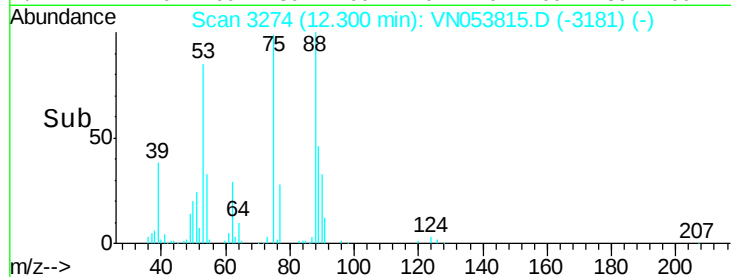
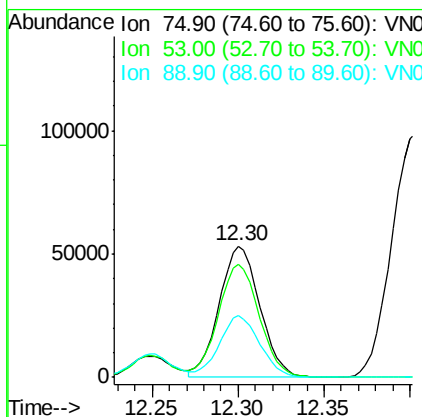
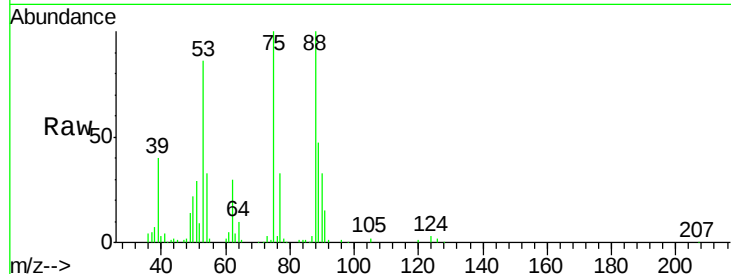
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	87041
Ion Ratio	Lower	Upper	
75	100		
53	88.5	69.8	104.6
89	47.1	35.6	53.4

Manual Integrations
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#82

4-Chlorotoluene

Concen: 48.031 ug/l

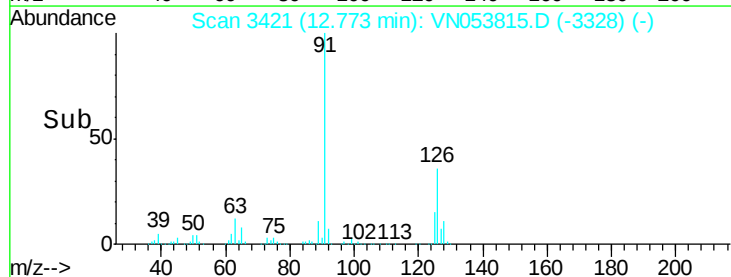
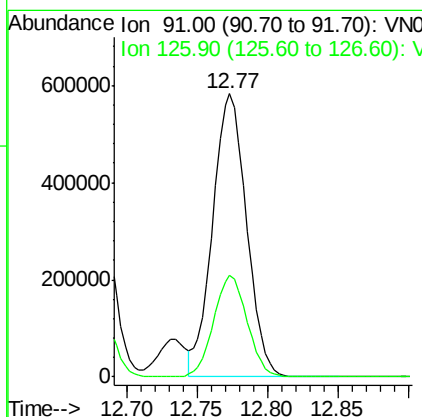
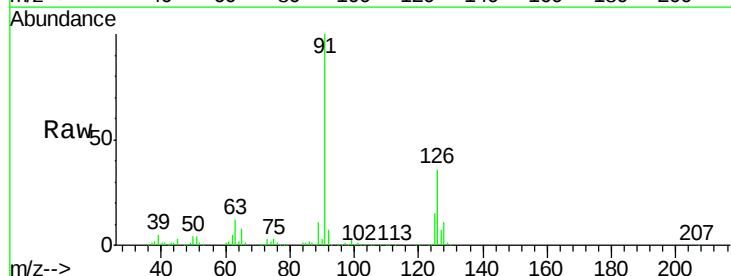
RT: 12.77 min Scan# 3421

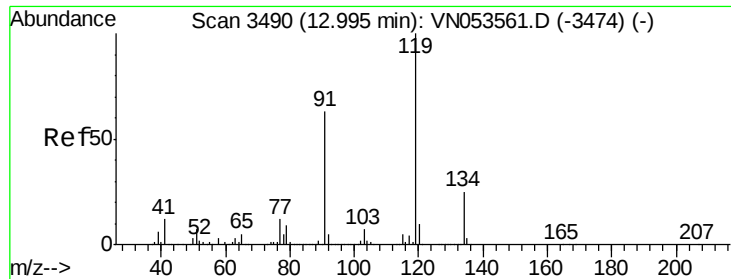
Delta R.T. -0.00 min

Lab File: VN053815.D

Acq: 15 Feb 2019 22:26

Tgt Ion:	91	Resp:	969885
Ion Ratio	Lower	Upper	
91	100		
126	35.4	17.6	52.9





#83

tert-Butylbenzene

Concen: 50.670 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN053815.D

Acq: 15 Feb 2019 22:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:119 Resp: 1065524

Ion Ratio Lower Upper

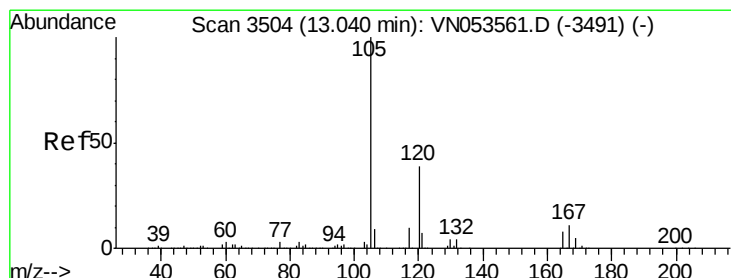
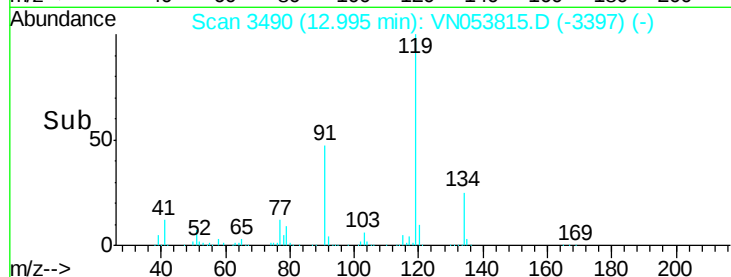
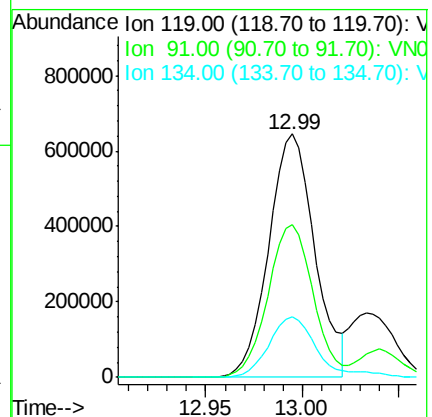
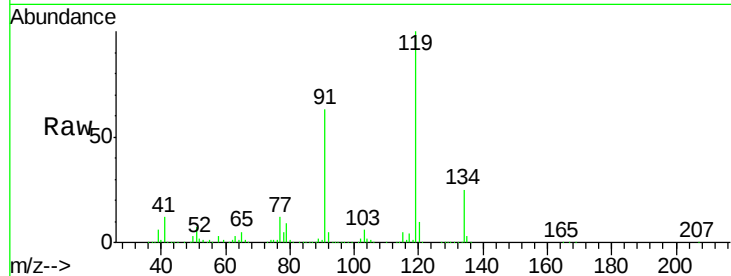
119 100

91 61.9 31.3 93.8

134 26.3 12.9 38.7

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 49.960 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN053815.D

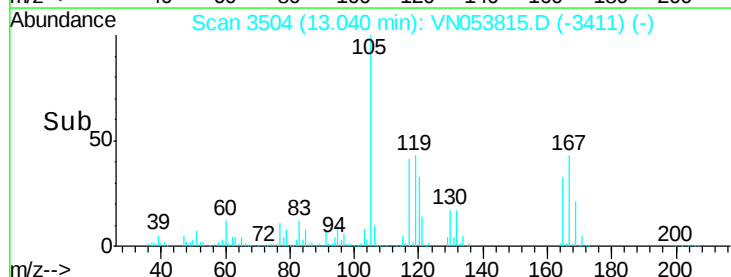
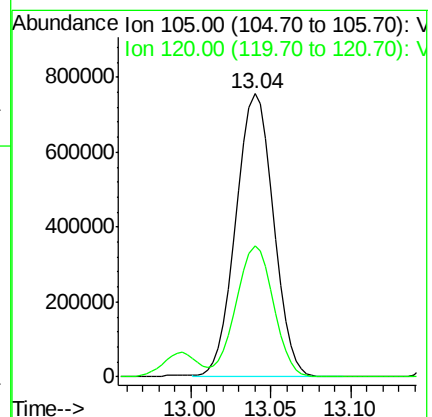
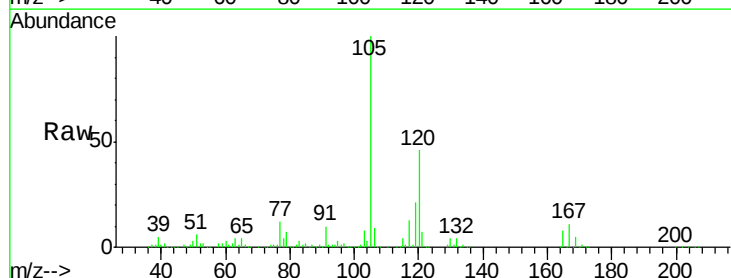
Acq: 15 Feb 2019 22:26

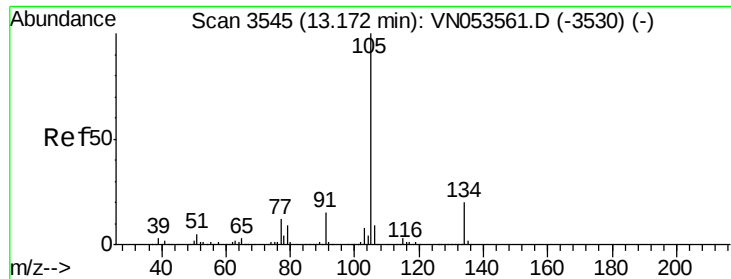
Tgt Ion:105 Resp: 1211063

Ion Ratio Lower Upper

105 100

120 46.2 23.0 69.0





#85

sec-Butylbenzene

Concen: 50.144 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN053815.D

Acq: 15 Feb 2019 22:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1434947

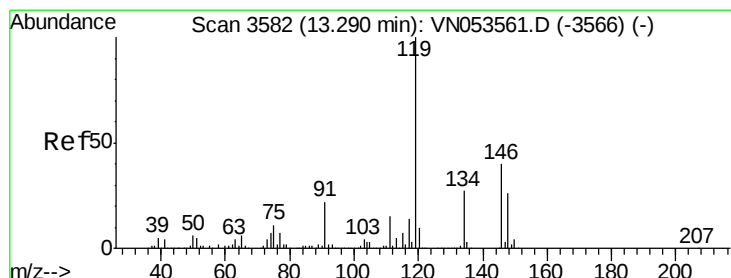
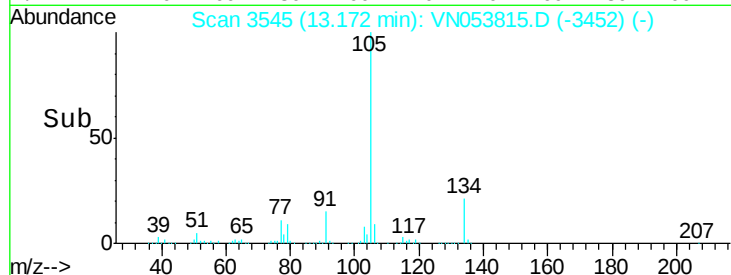
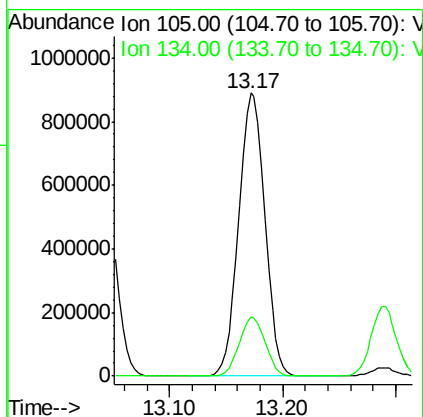
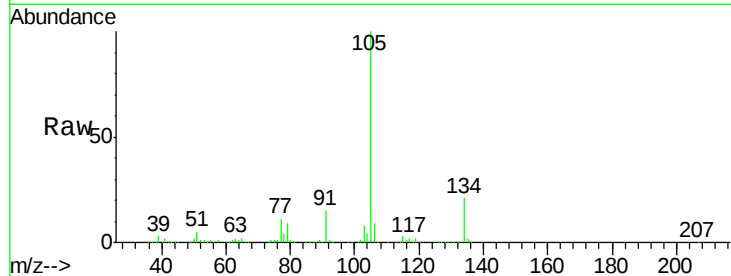
Ion Ratio Lower Upper

105 100

134 20.8 10.2 30.6

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 50.512 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053815.D

Acq: 15 Feb 2019 22:26

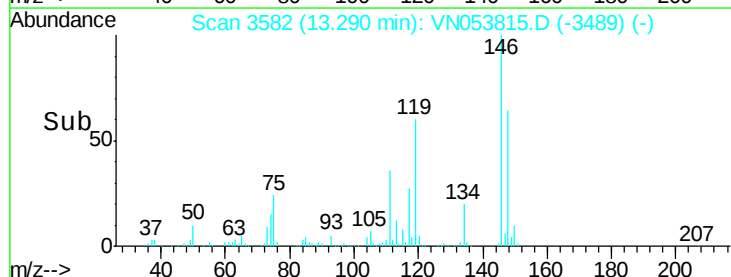
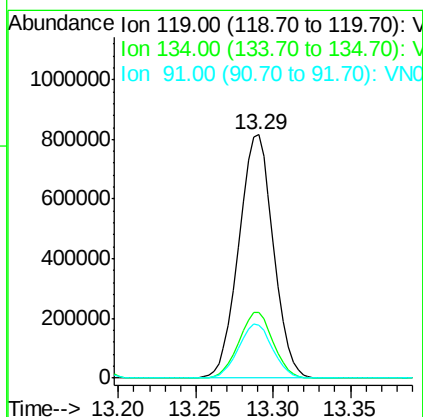
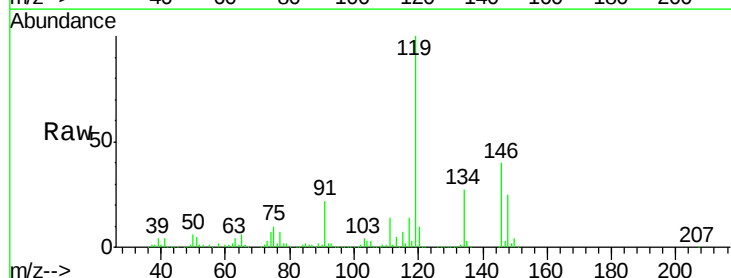
Tgt Ion:119 Resp: 1264194

Ion Ratio Lower Upper

119 100

134 26.8 13.5 40.4

91 21.9 11.0 33.0





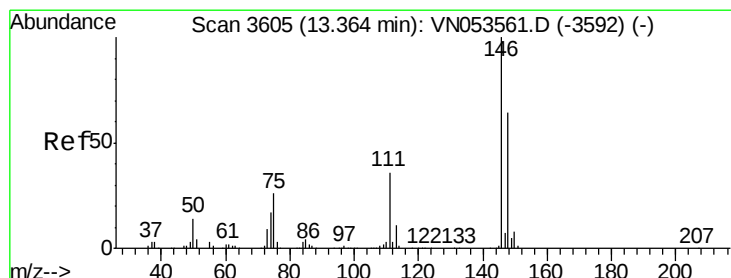
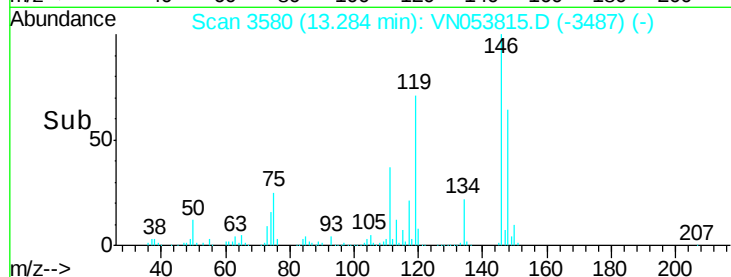
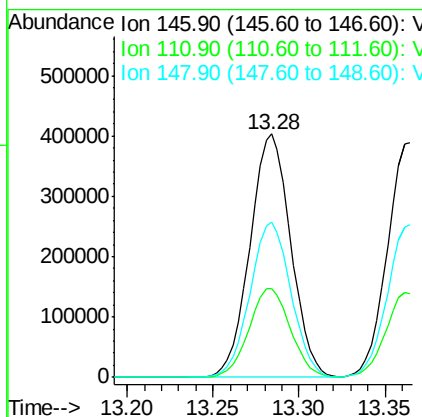
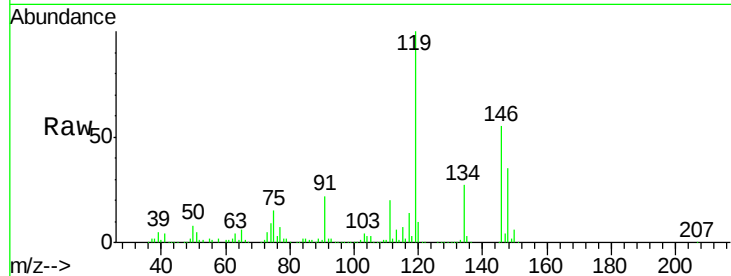
#87
 1,3-Dichlorobenzene
 Concen: 47.531 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN053815.D
 Acq: 15 Feb 2019 22:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	660730		
111	37.1	18.8	56.3	
148	64.0	32.0	96.2	

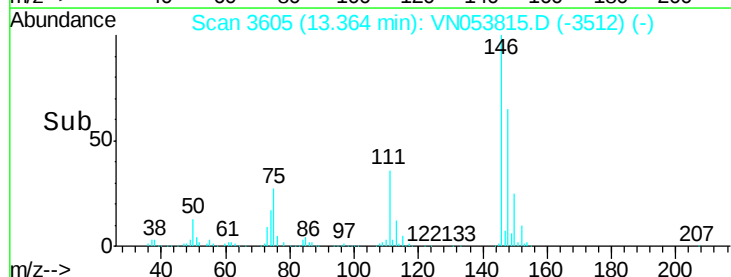
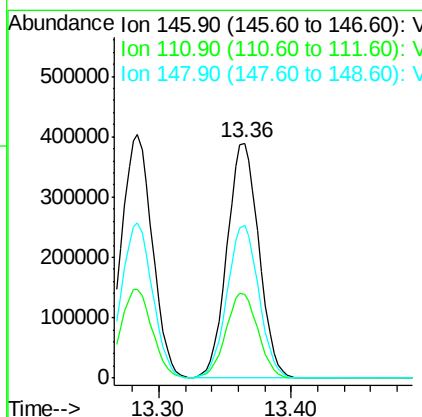
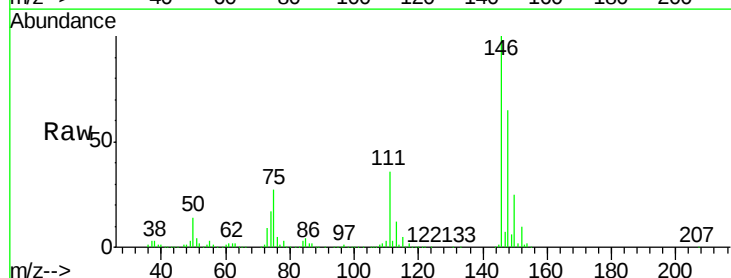
Manual Integrations
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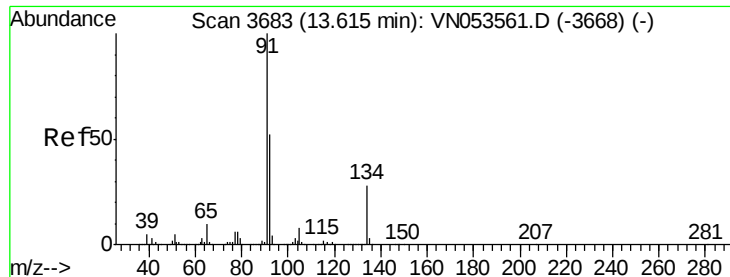
MMDadoda
 2/18/2019 9:48:45 AM



#88
 1,4-Dichlorobenzene
 Concen: 47.046 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN053815.D
 Acq: 15 Feb 2019 22:26

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	646918		
111	36.5	18.6	55.8	
148	65.0	32.4	97.0	





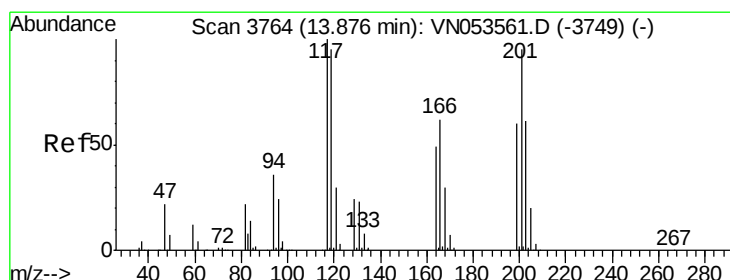
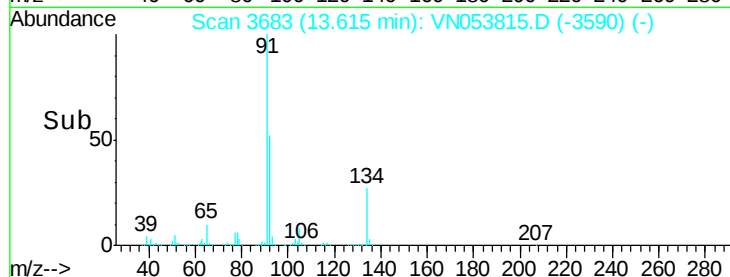
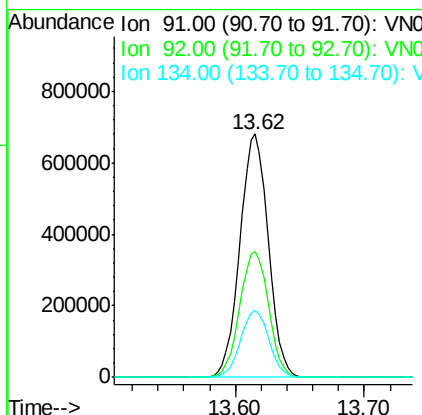
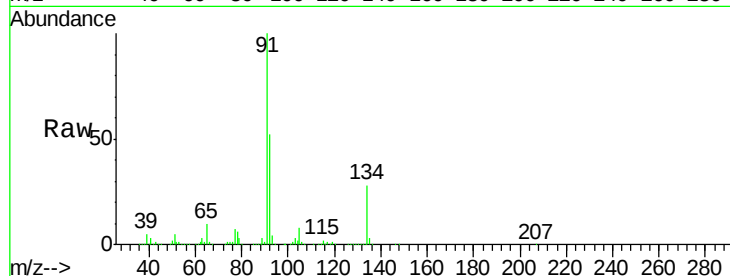
#89
n-Butylbenzene
Concen: 48.003 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN053815.D
Acq: 15 Feb 2019 22:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1039883
Ion Ratio Lower Upper
91 100
92 52.5 26.3 78.8
134 27.5 13.5 40.5

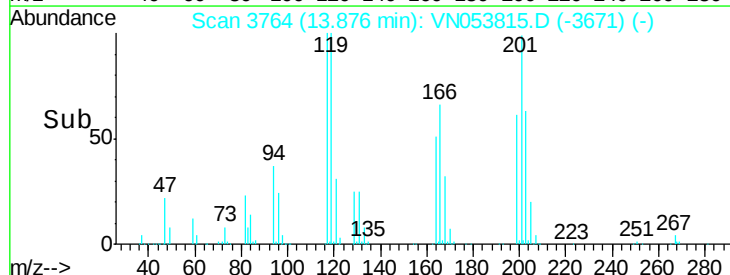
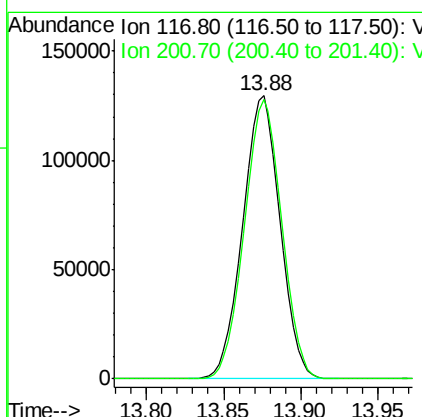
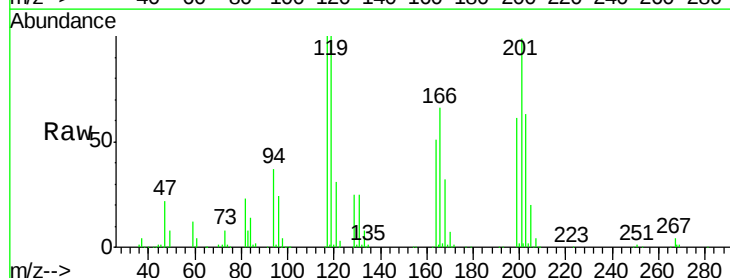
Manual Integrations
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#90
Hexachloroethane
Concen: 52.850 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN053815.D
Acq: 15 Feb 2019 22:26

Tgt Ion: 117 Resp: 218175
Ion Ratio Lower Upper
117 100
201 98.7 46.8 140.4





#91

1,2-Dichlorobenzene

Concen: 49.077 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN053815.D

Acq: 15 Feb 2019 22:26

Instrument :

MSVOA_N

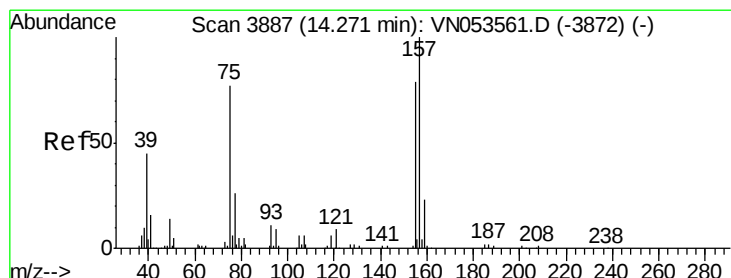
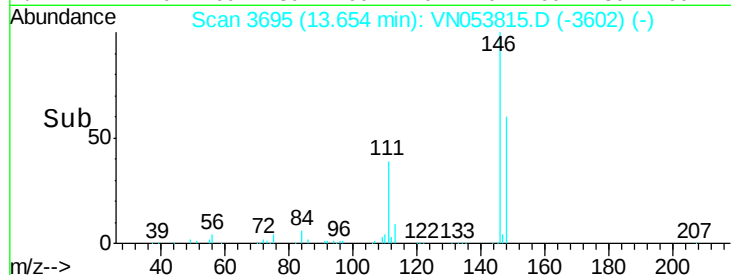
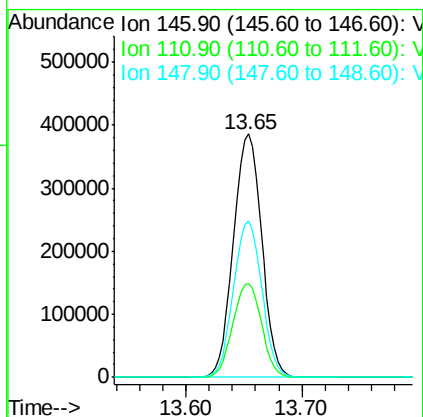
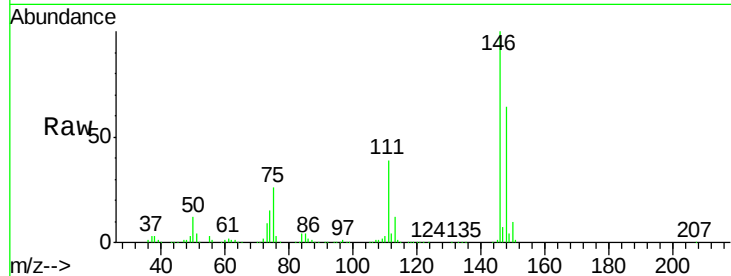
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	653116
Ion Ratio		Lower	Upper
146	100		
111	39.0	19.5	58.5
148	64.2	31.9	95.9

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 51.865 ug/l

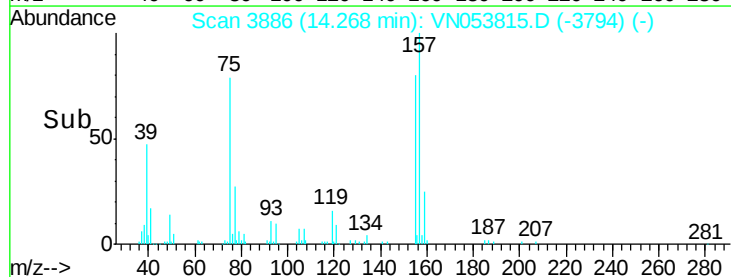
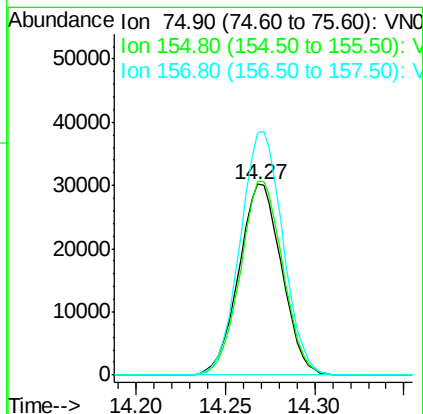
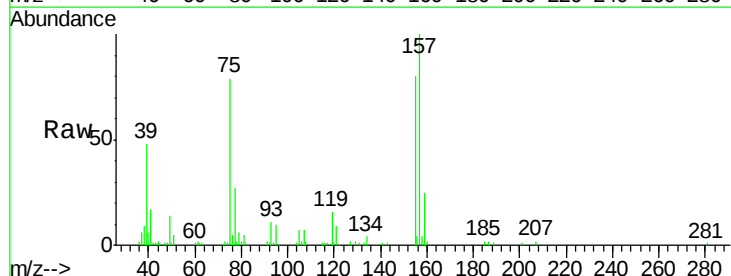
RT: 14.27 min Scan# 3886

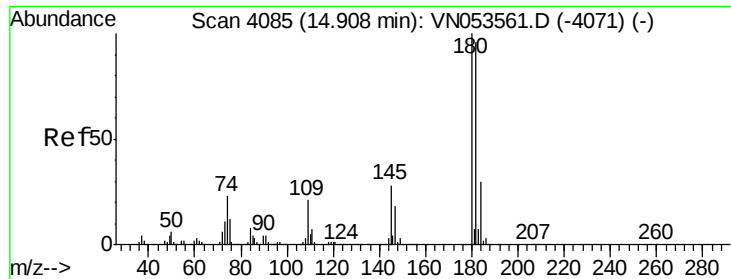
Delta R.T. -0.00 min

Lab File: VN053815.D

Acq: 15 Feb 2019 22:26

Tgt Ion:	75	Resp:	50757
Ion Ratio		Lower	Upper
75	100		
155	100.4	48.9	146.7
157	126.8	63.7	191.3





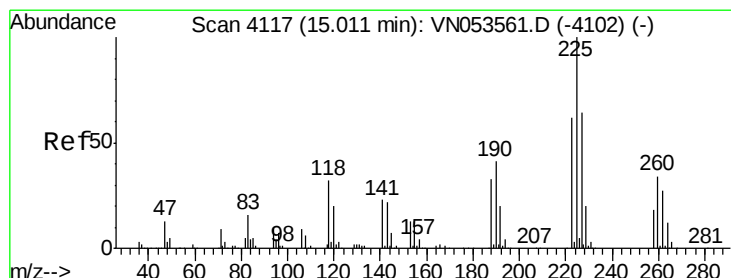
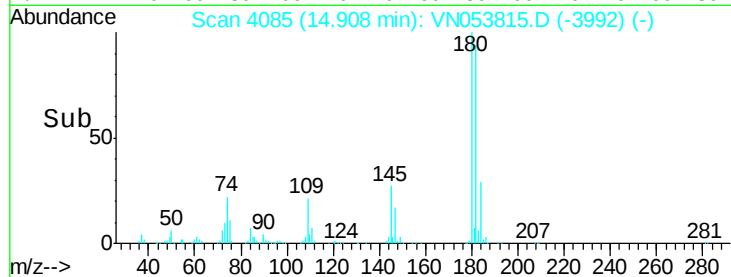
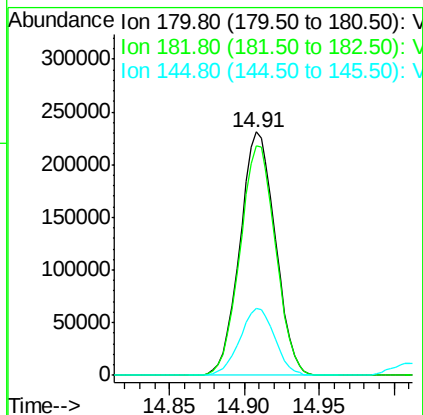
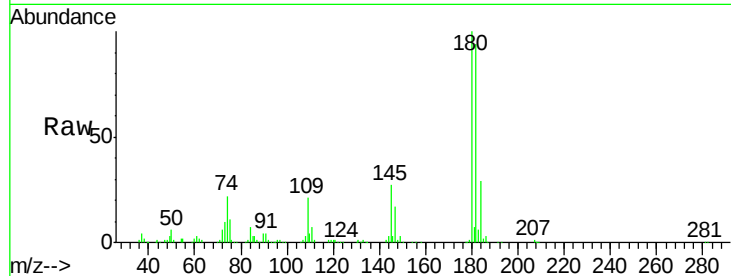
#93
 1,2,4-Trichlorobenzene
 Concen: 49.731 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053815.D
 Acq: 15 Feb 2019 22:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.0	48.1	144.3	
145	27.3	13.9	41.6	

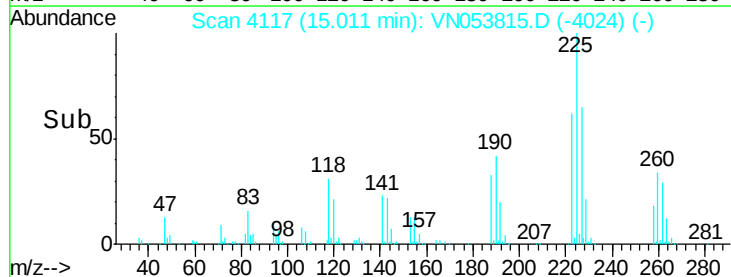
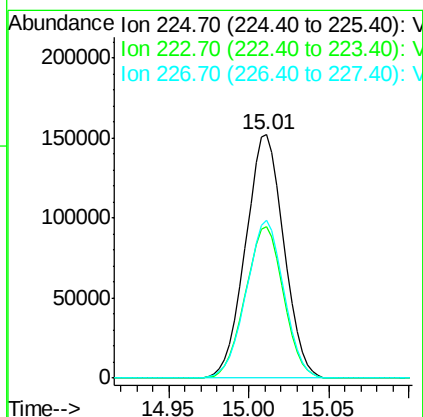
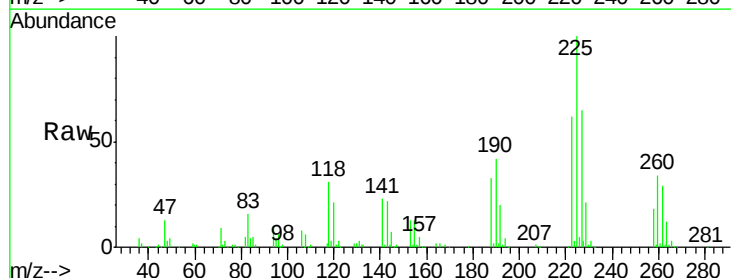
Manual Integrations
 APPROVED

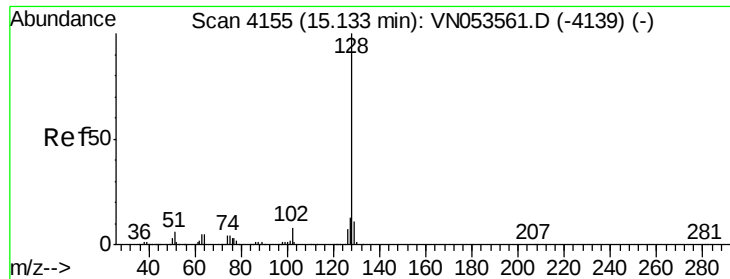
MMDadoda
 2/18/2019 9:48:45 AM



#94
 Hexachlorobutadiene
 Concen: 52.433 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053815.D
 Acq: 15 Feb 2019 22:26

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.1	31.1	93.2	
227	63.6	32.0	96.2	





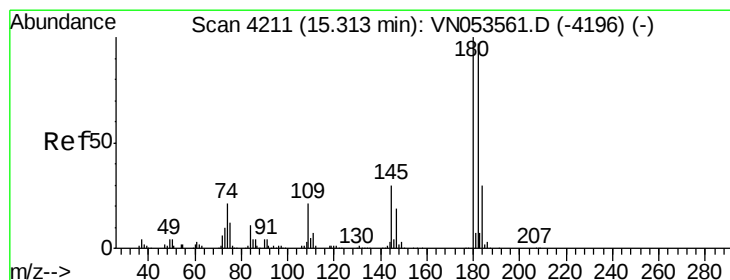
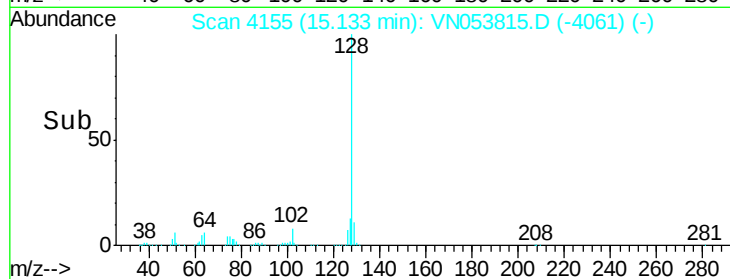
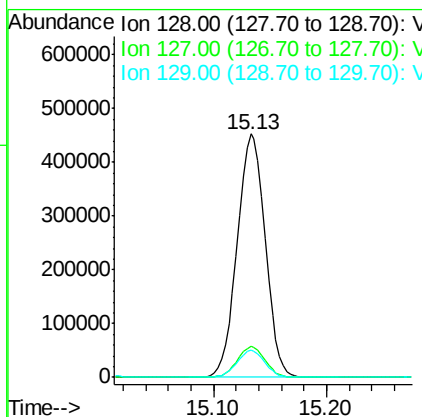
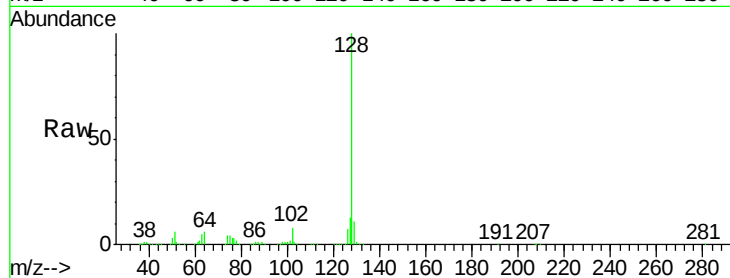
#95
Naphthalene
Concen: 43.903 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN053815.D
Acq: 15 Feb 2019 22:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.3	15.5
129	10.9	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
2/18/2019 9:48:45 AM



#96
1,2,3-Trichlorobenzene
Concen: 51.749 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN053815.D
Acq: 15 Feb 2019 22:26

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.7	47.9	143.8
145	29.9	14.7	44.1

