

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050719\
 Data File : VN055450.D
 Acq On : 7 May 2019 20:57
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 5/8/2019 10:16:19 AM

Quant Time: May 08 07:34:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 30 07:16:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	352151	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	583656	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	505517	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	214295	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	246081	53.42	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.84%	
35) Dibromofluoromethane	7.59	113	191334	49.94	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.88%	
50) Toluene-d8	10.09	98	677628	48.99	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.98%	
62) 4-Bromofluorobenzene	12.40	95	242104	56.00	ug/l	0.00
Spiked Amount 50.000			Recovery	=	112.00%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.85	85	197626	45.804	ug/l	100
3) Chloromethane	2.06	50	237204	44.399	ug/l	100
4) Vinyl Chloride	2.19	62	195992	45.510	ug/l	98
5) Bromomethane	2.55	94	138012	60.501	ug/l	98
6) Chloroethane	2.70	64	109400	46.893	ug/l	99
7) Trichlorofluoromethane	3.02	101	277615	45.334	ug/l	100
8) Diethyl Ether	3.41	74	122713	57.276	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	179417	49.201	ug/l	100
10) Methyl Iodide	3.96	142	245402	47.818	ug/l	99
11) Tert butyl alcohol	4.79	59	113447	430.115	ug/l	99
12) 1,1-Dichloroethene	3.74	96	169832	48.821	ug/l	99
13) Acrolein	3.61	56	73468	356.664	ug/l	99
14) Allyl chloride	4.33	41	386322	53.621	ug/l	97
15) Acrylonitrile	4.99	53	506342	341.531	ug/l	100
16) Acetone	3.82	43	409489	285.266	ug/l	99
17) Carbon Disulfide	4.06	76	354023	38.996	ug/l	99
18) Methyl Acetate	4.33	43	263313	75.836	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	603812	61.743	ug/l	99
20) Methylene Chloride	4.55	84	215362	49.153	ug/l	99
21) trans-1,2-Dichloroethene	5.05	96	176889	48.013	ug/l	98
22) Diisopropyl ether	5.96	45	830978	58.050	ug/l	99
23) Vinyl Acetate	5.90	43	2991806	318.888	ug/l	99
24) 1,1-Dichloroethane	5.85	63	403835	52.947	ug/l	99
25) 2-Butanone	6.84	43	654398	356.471	ug/l	100
26) 2,2-Dichloropropane	6.83	77	250291	47.522	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	221808	52.943	ug/l	99
28) Bromochloromethane	7.20	49	197794	51.447	ug/l	97
29) Tetrahydrofuran	7.21	42	435108	370.149	ug/l	98
30) Chloroform	7.37	83	386836	53.503	ug/l	98
31) Cyclohexane	7.66	56	330265	45.575	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	309724	52.782	ug/l	99
36) 1,1-Dichloropropene	7.80	75	264201	47.259	ug/l	99
37) Ethyl Acetate	6.93	43	272619	63.627	ug/l	98
38) Carbon Tetrachloride	7.78	117	253564	47.019	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	285943	48.107	ug/l	98
40) Benzene	8.04	78	828226	50.255	ug/l	99
41) Methacrylonitrile	7.18	41	145503	62.557	ug/l	95
42) 1,2-Dichloroethane	8.13	62	312862	53.599	ug/l	100
43) Isopropyl Acetate	8.17	43	463530	67.318	ug/l	98
44) Trichloroethene	8.84	130	202489	48.196	ug/l	98
45) 1,2-Dichloropropane	9.12	63	242657	51.051	ug/l	98
46) Dibromomethane	9.21	93	137584	52.955	ug/l	99
47) Bromodichloromethane	9.40	83	295748	53.060	ug/l	99
48) Methyl methacrylate	9.20	41	224849	66.424	ug/l	99
49) 1,4-Dioxane	9.20	88	52744	1507.308	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	1399478	360.991	ug/l	98
52) Toluene	10.16	92	484016	51.186	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	280631	57.998	ug/l	96
54) cis-1,3-Dichloropropene	9.84	75	332689	55.146	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	200521	57.106	ug/l	99
56) Ethyl methacrylate	10.43	69	282983	65.475	ug/l	98
57) 1,3-Dichloropropane	10.71	76	346696	56.282	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	395014	292.288	ug/l	99
59) 2-Hexanone	10.75	43	900966	371.435	ug/l	99
60) Dibromochloromethane	10.90	129	206794	57.622	ug/l	98
61) 1,2-Dibromoethane	11.01	107	186839	57.568	ug/l	99
64) Tetrachloroethene	10.63	164	202499	48.984	ug/l	100
65) Chlorobenzene	11.43	112	501430	50.734	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	198274	51.233	ug/l	100
67) Ethyl Benzene	11.51	91	928038	51.998	ug/l	98
68) m/p-Xylenes	11.62	106	673736	105.757	ug/l	98
69) o-Xylene	11.95	106	336957	53.364	ug/l	99
70) Styrene	11.96	104	565918	58.372	ug/l	99
71) Bromoform	12.13	173	134676	62.714	ug/l #	98
73) Isopropylbenzene	12.25	105	914161	53.856	ug/l	100
74) N-amyl acetate	12.07	43	370859	67.433	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	263942	62.990	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	225574m	56.983	ug/l	
77) Bromobenzene	12.53	156	218092	53.505	ug/l	95
78) n-propylbenzene	12.59	91	1020573	46.363	ug/l	100
79) 2-Chlorotoluene	12.68	91	626593	54.175	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	769494	45.803	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	63946	56.549	ug/l	95
82) 4-Chlorotoluene	12.77	91	609698	47.637	ug/l	98
83) tert-Butylbenzene	12.99	119	673906	57.084	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	748891	49.843	ug/l	99
85) sec-Butylbenzene	13.17	105	875668	47.955	ug/l	99
86) p-Isopropyltoluene	13.29	119	754060	50.243	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	361261	50.379	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	349424	51.744	ug/l	99
89) n-Butylbenzene	13.62	91	599797	56.242	ug/l	99
90) Hexachloroethane	13.88	117	127032	53.569	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	370504	52.131	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	40915	72.573	ug/l	97

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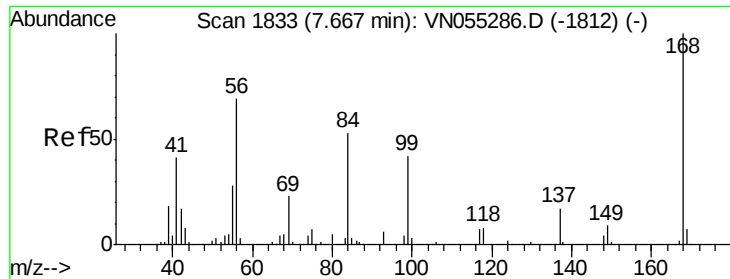
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	141361	50.422	ug/l	99
94) Hexachlorobutadiene	15.01	225	126195	59.542	ug/l	97
95) Naphthalene	15.13	128	311664	52.169	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	152191	54.886	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.00 min

Lab File: VN055450.D

Acq: 7 May 2019 20:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 352151

Ion Ratio Lower Upper

168 100

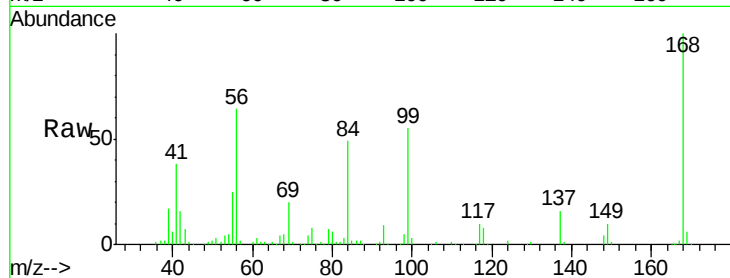
99 53.9 43.6 65.4

Manual Integrations

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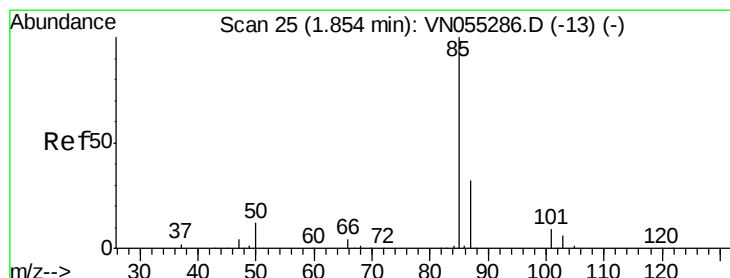
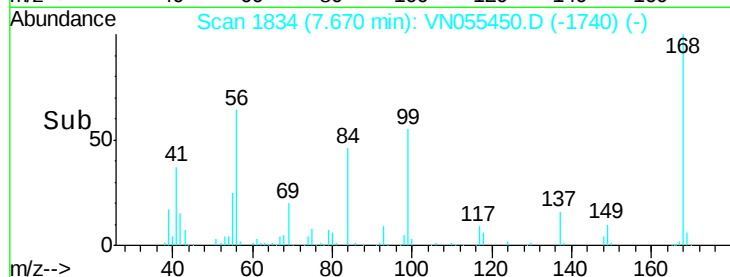
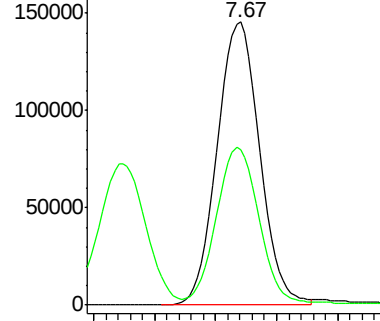
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 45.804 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN055450.D

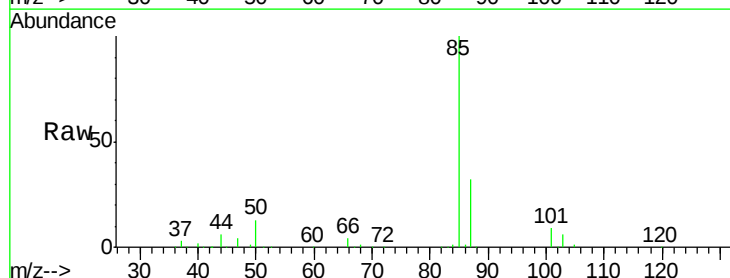
Acq: 7 May 2019 20:57

Tgt Ion: 85 Resp: 197626

Ion Ratio Lower Upper

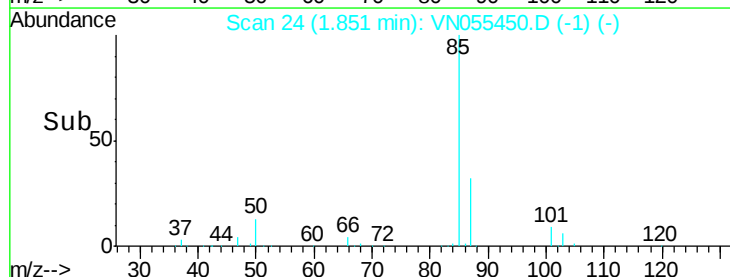
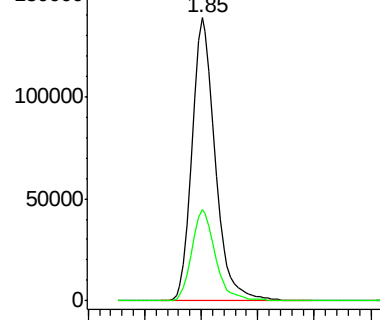
85 100

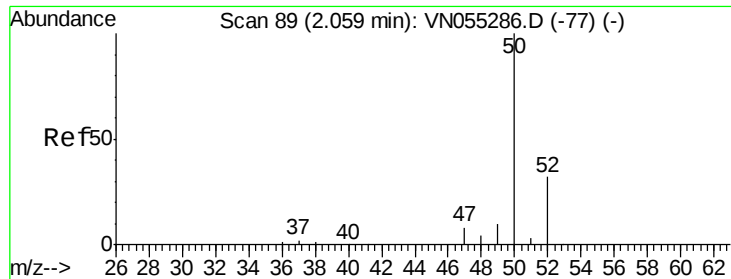
87 32.5 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 44.399 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN055450.D

Acq: 7 May 2019 20:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 237204

Ion Ratio Lower Upper

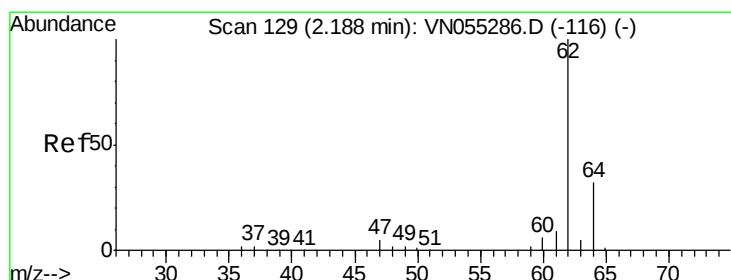
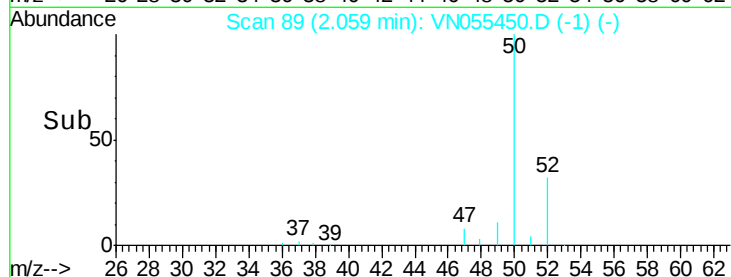
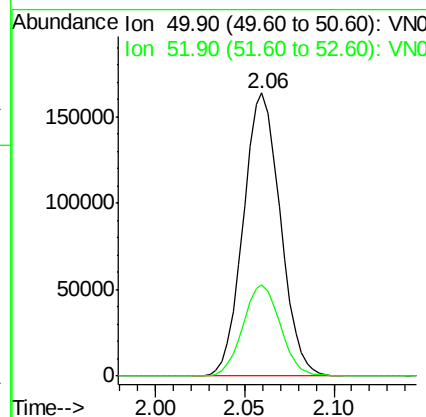
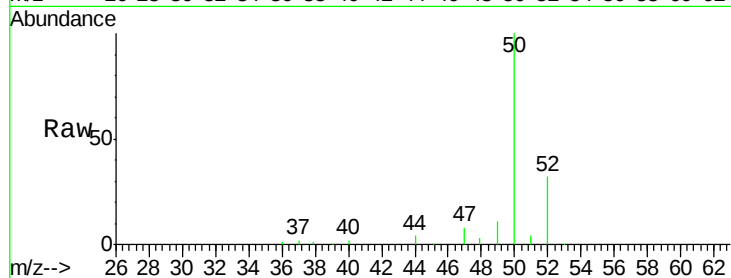
50 100

52 32.1 25.7 38.5

Manual Integrations
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#4

Vinyl Chloride

Concen: 45.510 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN055450.D

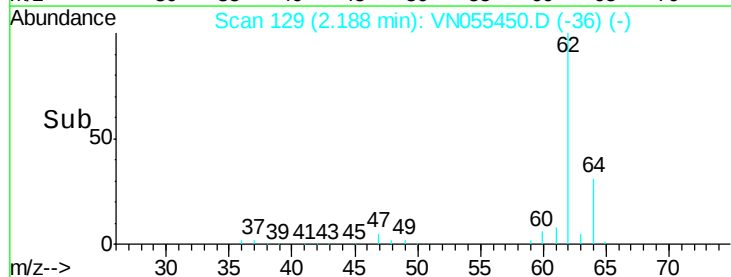
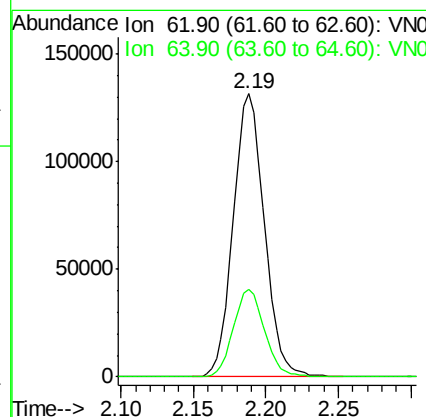
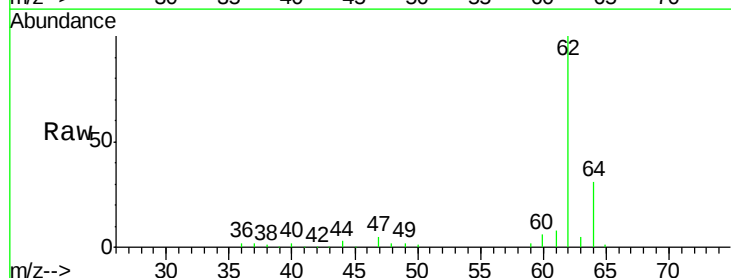
Acq: 7 May 2019 20:57

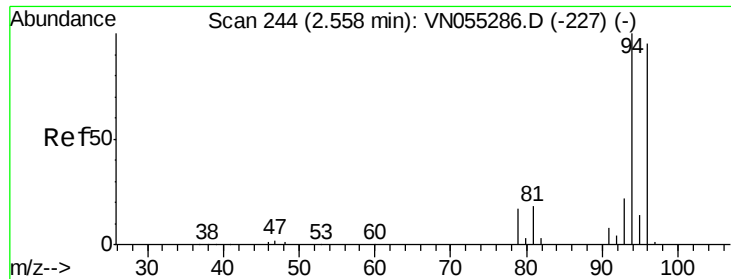
Tgt Ion: 62 Resp: 195992

Ion Ratio Lower Upper

62 100

64 30.8 25.5 38.3





#5

Bromomethane

Concen: 60.501 ug/l

RT: 2.55 min Scan# 242

Delta R.T. -0.01 min

Lab File: VN055450.D

Acq: 7 May 2019 20:57

Instrument :

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ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 138012

Ion Ratio Lower Upper

94 100

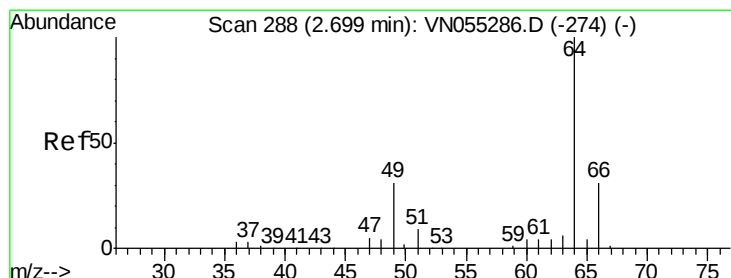
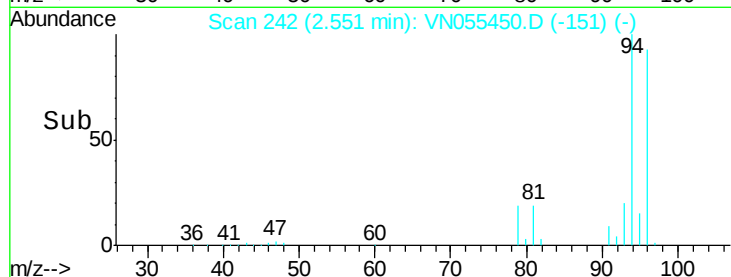
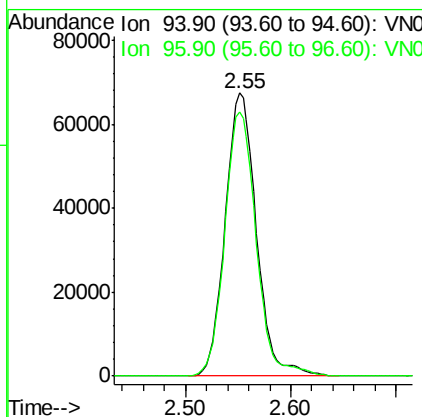
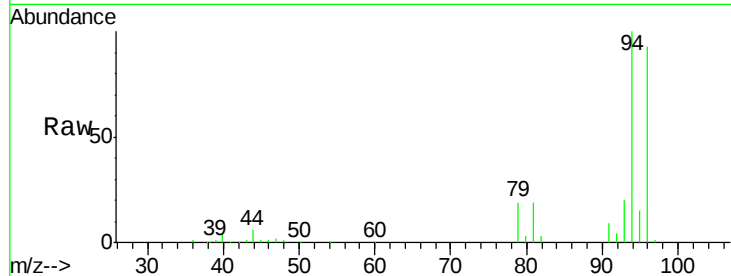
96 93.3 76.0 114.0

Manual Integrations

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5/8/2019 10:16:19 AM



#6

Chloroethane

Concen: 46.893 ug/l

RT: 2.70 min Scan# 287

Delta R.T. -0.00 min

Lab File: VN055450.D

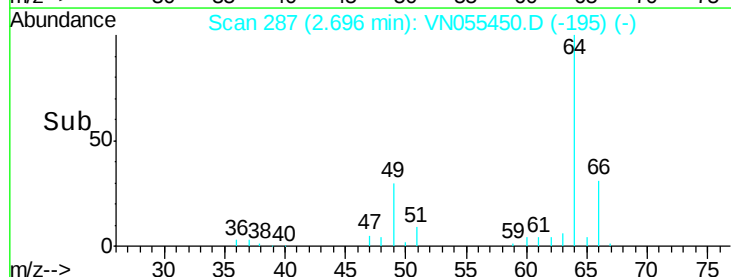
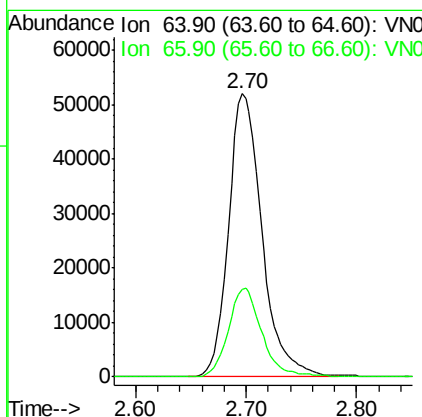
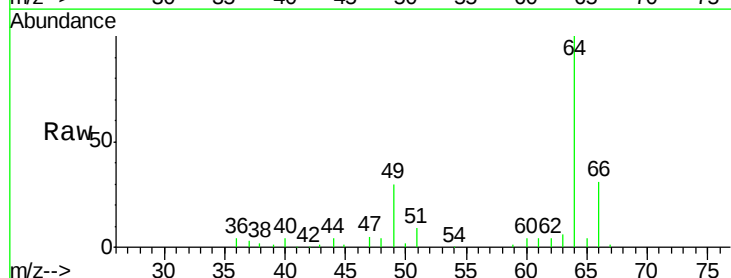
Acq: 7 May 2019 20:57

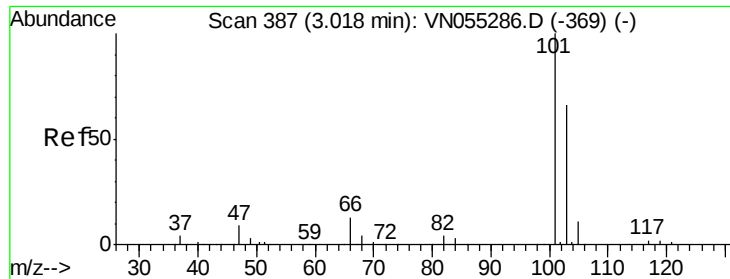
Tgt Ion: 64 Resp: 109400

Ion Ratio Lower Upper

64 100

66 30.8 25.0 37.4





#7

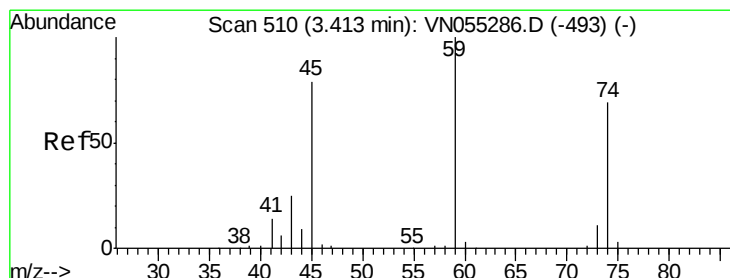
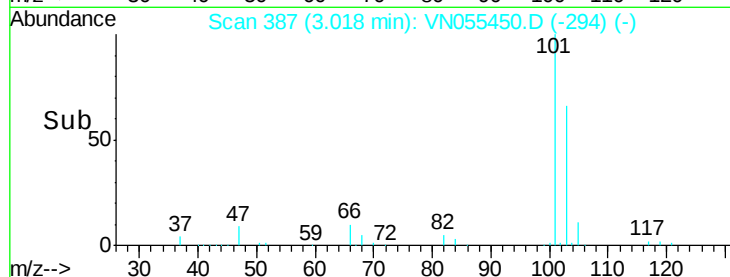
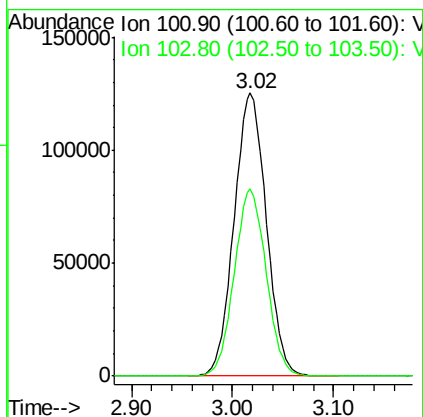
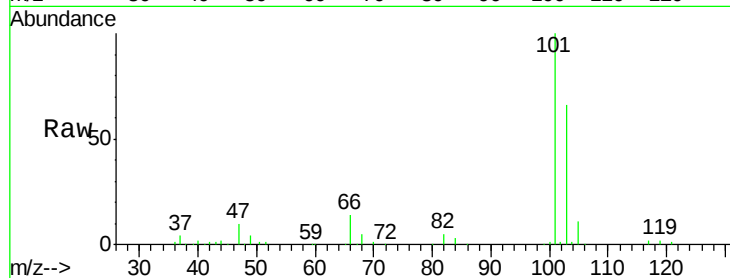
Trichlorofluoromethane
 Concen: 45.334 ug/l
 RT: 3.02 min Scan# 387
 Delta R.T. 0.00 min
 Lab File: VN055450.D
 Acq: 7 May 2019 20:57

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Tot Ion	Ratio	Lower	Upper
101	100		
103	66.1	52.6	79.0

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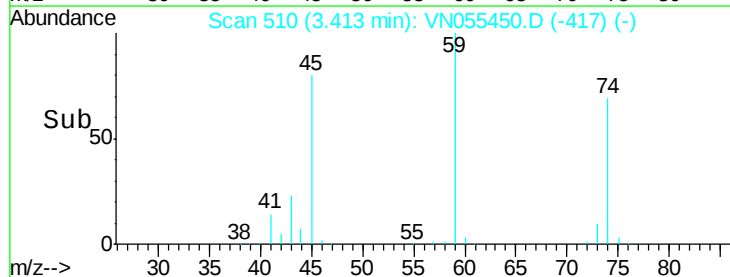
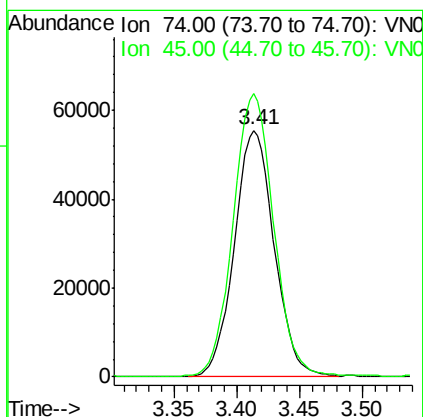
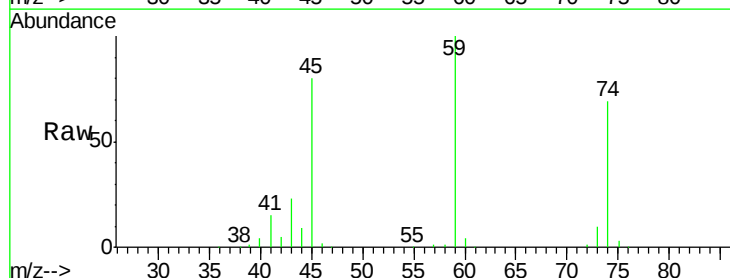
MMDadoda
 5/8/2019 10:16:19 AM

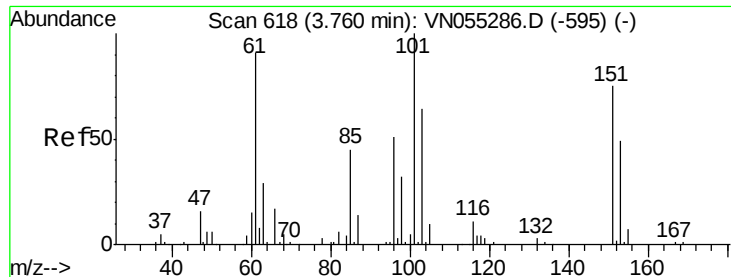


#8

Diethyl Ether
 Concen: 57.276 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN055450.D
 Acq: 7 May 2019 20:57

Tgt Ion	Ratio	Lower	Upper
74	100		
45	115.7	58.9	176.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.201 ug/l

RT: 3.76 min Scan# 618

Delta R.T. 0.00 min

Lab File: VN055450.D

Acq: 7 May 2019 20:57

Instrument :

MSVOA_N

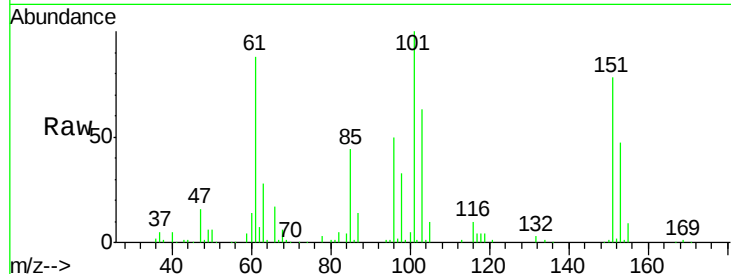
ClientSampleId :

VSTDCCC050

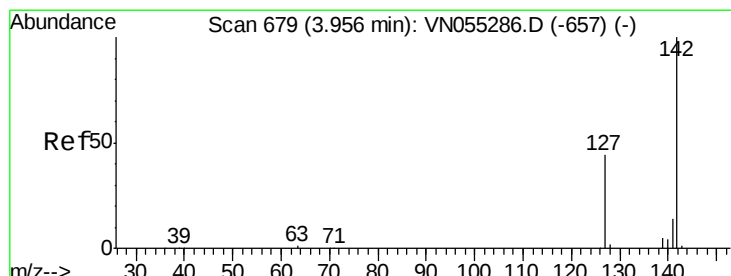
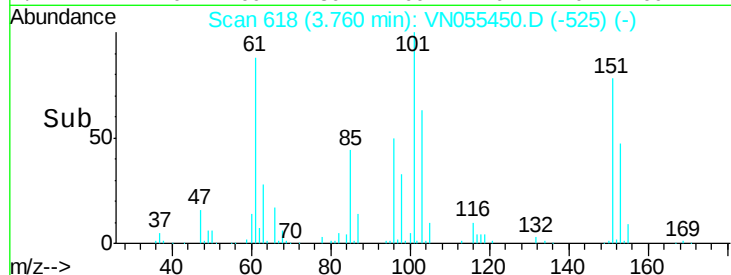
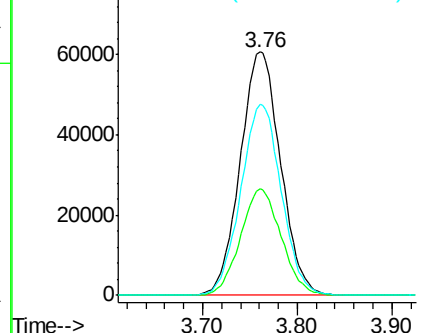
Tot Ion:	101	Resp:	179417
Ion Ratio	Lower	Upper	
101	100		
85	44.1	35.7	53.5
151	79.0	63.3	94.9

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



#10

Methyl Iodide

Concen: 47.818 ug/l

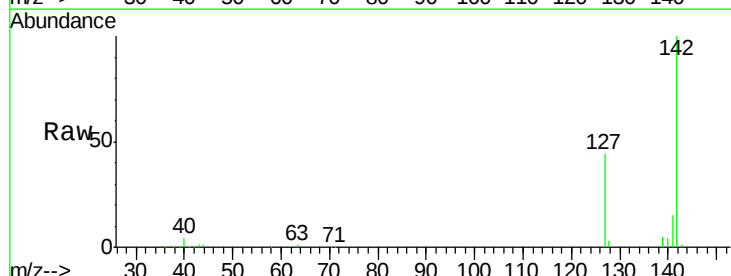
RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

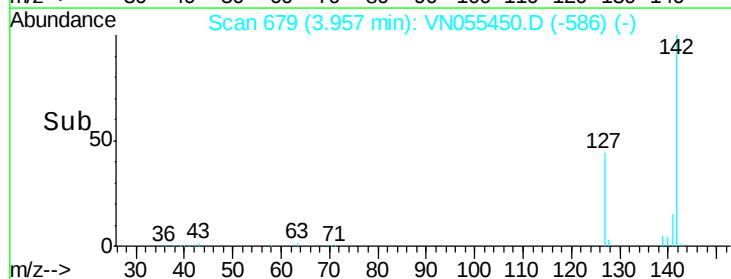
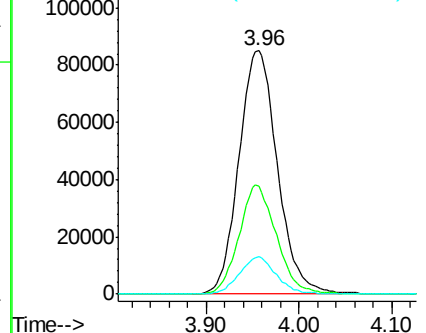
Lab File: VN055450.D

Acq: 7 May 2019 20:57

Tgt Ion:	142	Resp:	245402
Ion Ratio	Lower	Upper	
142	100		
127	43.6	34.4	51.6
141	14.6	11.5	17.3



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





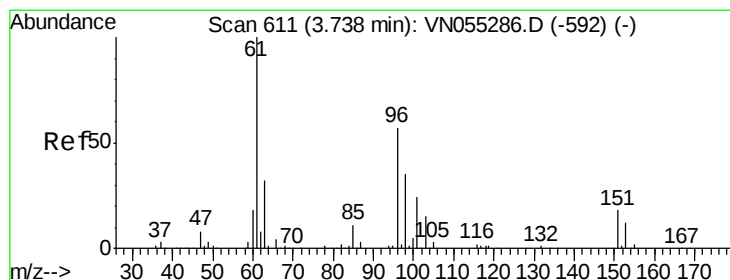
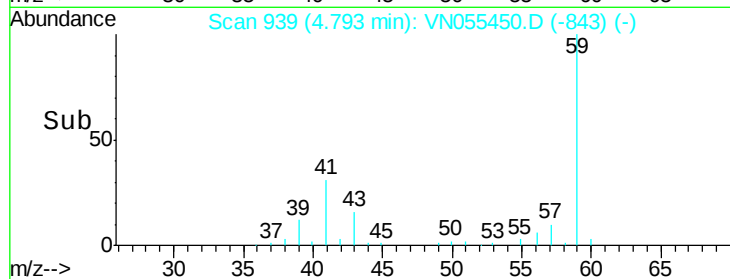
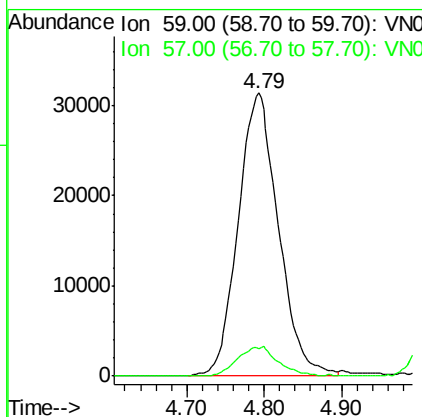
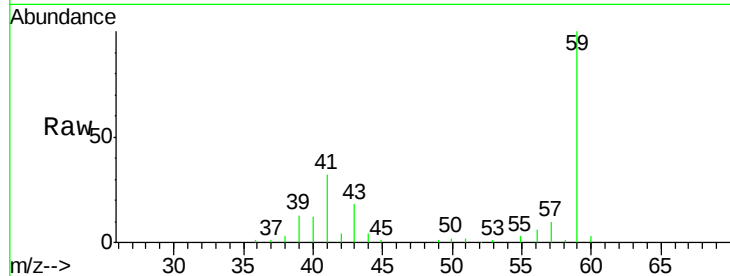
#11
Tert butyl alcohol
Concen: 430.115 ug/l
RT: 4.79 min Scan# 939
Delta R.T. 0.01 min
Lab File: VN055450.D
Acq: 7 May 2019 20:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	59	57	Ratio	100	10.5	Resp	113447	Lower	Upper
59	100								
57		10.5						8.2	12.2

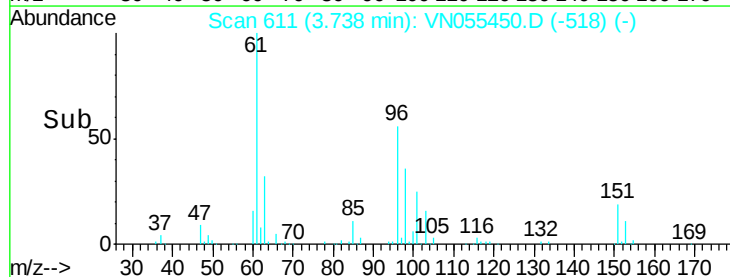
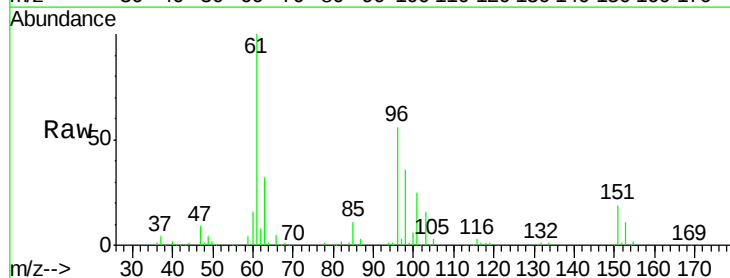
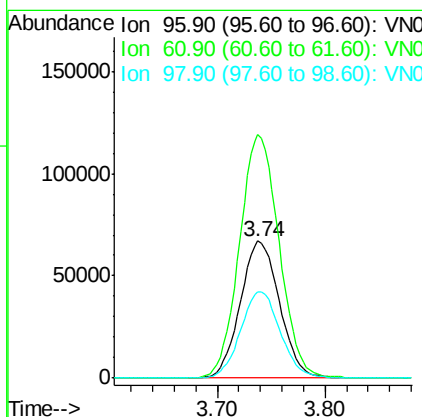
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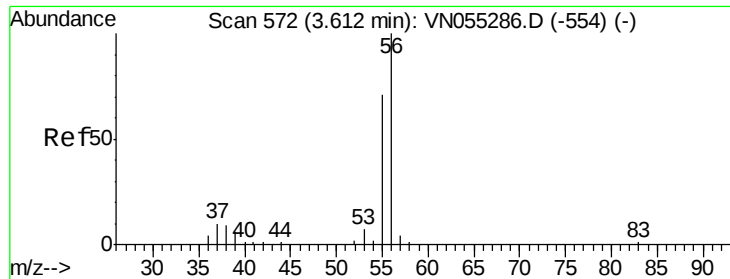
MMDadoda
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#12
1,1-Dichloroethene
Concen: 48.821 ug/l
RT: 3.74 min Scan# 611
Delta R.T. 0.00 min
Lab File: VN055450.D
Acq: 7 May 2019 20:57

Tgt Ion	96	61	98	Ratio	100	177.5	63.2	Resp	169832	Lower	Upper
96	100										
61		177.5								140.9	211.3
98		63.2								50.0	75.0





#13

Acrolein

Concen: 356.664 ug/l

RT: 3.61 min Scan# 571

Delta R.T. -0.00 min

Lab File: VN055450.D

Acq: 7 May 2019 20:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 73468

Ion Ratio Lower Upper

56 100

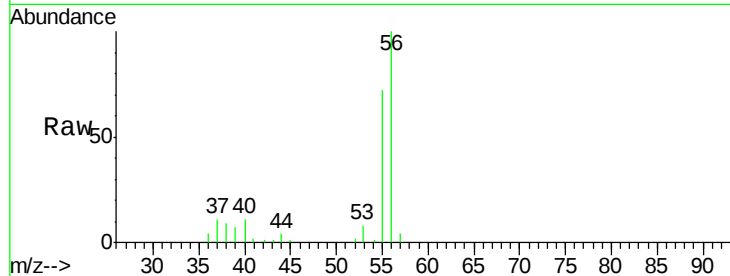
55 71.0 57.4 86.2

Manual Integrations

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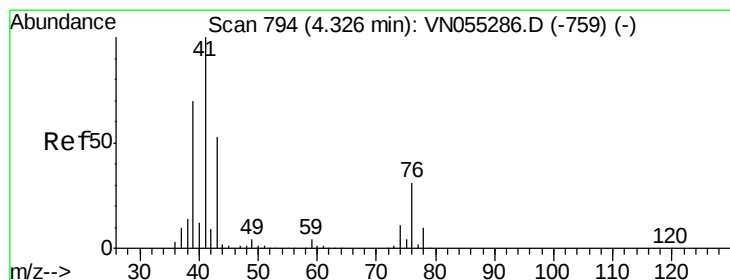
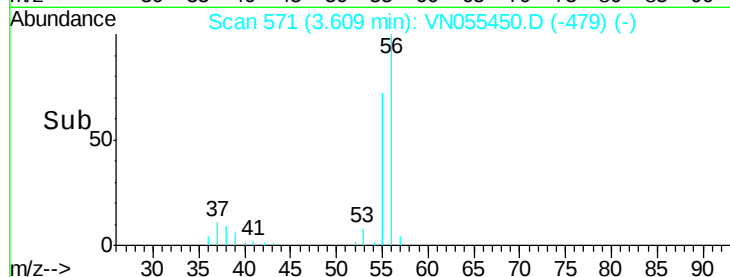
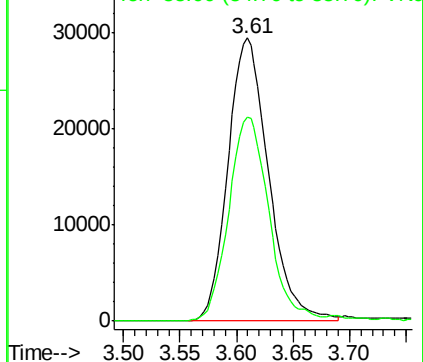
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO



#14

Allyl chloride

Concen: 53.621 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN055450.D

Acq: 7 May 2019 20:57

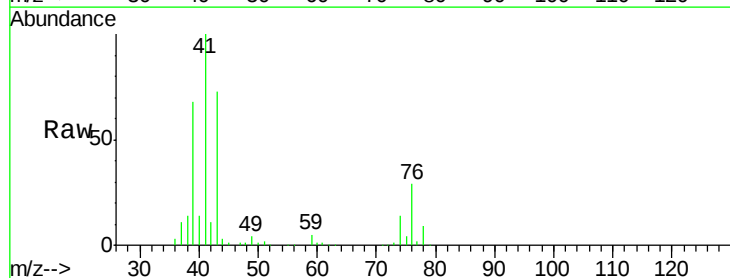
Tgt Ion: 41 Resp: 386322

Ion Ratio Lower Upper

41 100

39 63.7 53.0 79.6

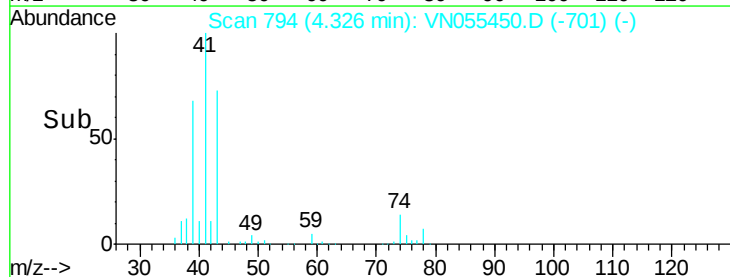
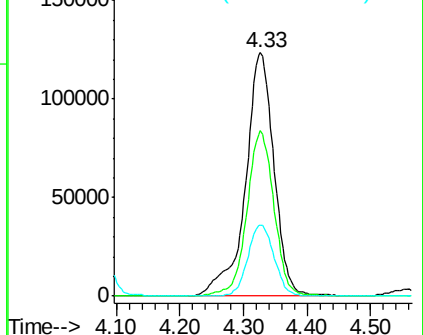
76 26.8 22.7 34.1

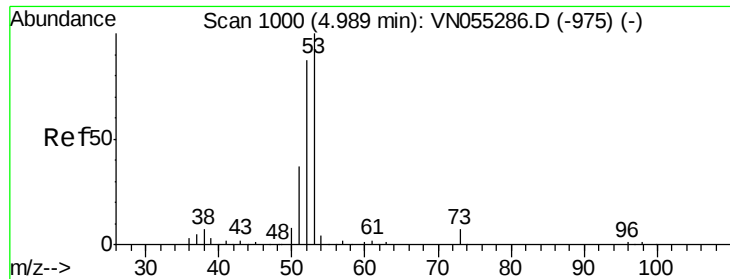


Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 75.90 (75.60 to 76.60): VNO





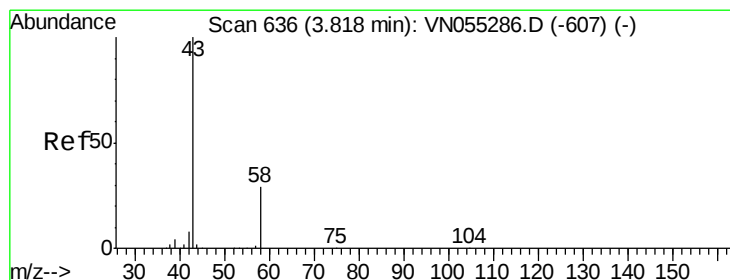
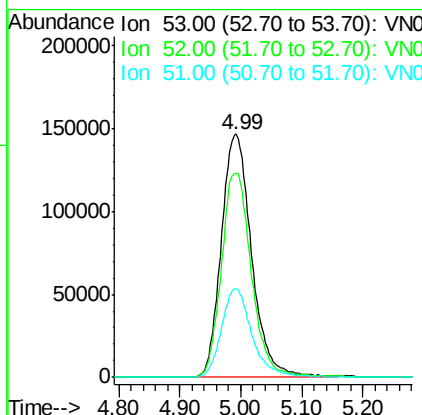
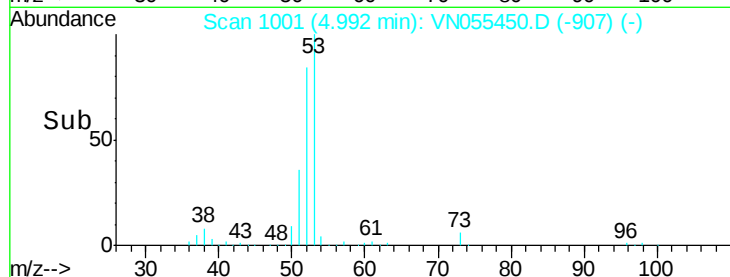
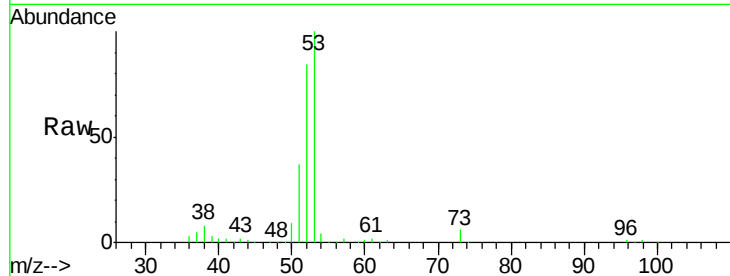
#15
 Acrylonitrile
 Concen: 341.531 ug/l
 RT: 4.99 min Scan# 1001
 Delta R.T. 0.00 min
 Lab File: VN055450.D
 Acq: 7 May 2019 20:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
53	100		
52	83.1	66.5	99.7
51	36.3	29.6	44.4

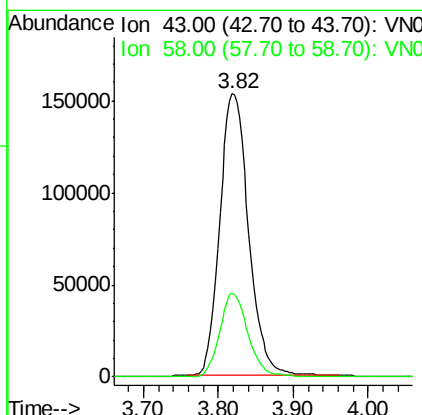
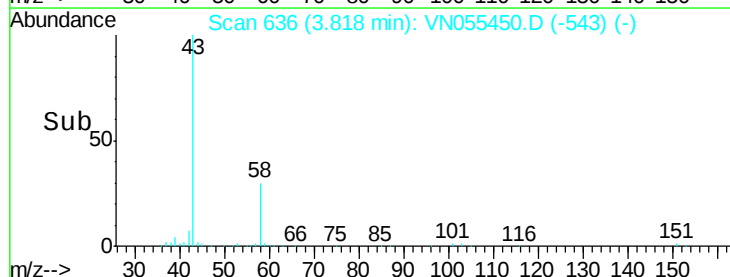
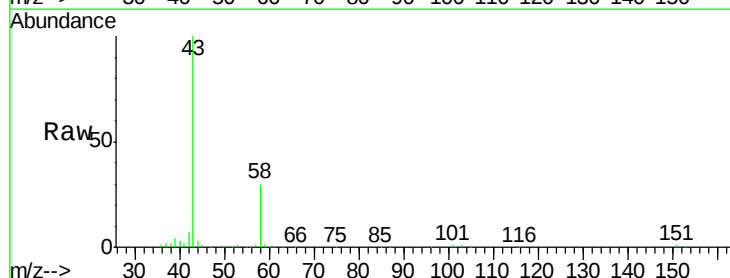
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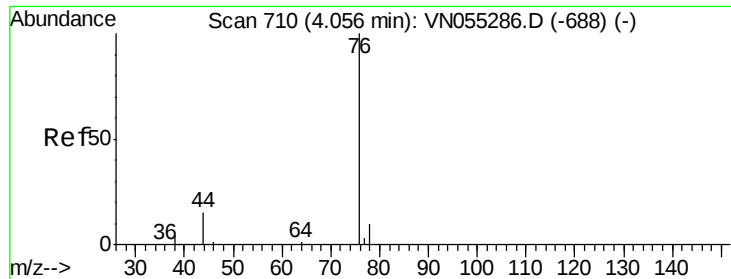
MMDadoda
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#16
 Acetone
 Concen: 285.266 ug/l
 RT: 3.82 min Scan# 636
 Delta R.T. 0.00 min
 Lab File: VN055450.D
 Acq: 7 May 2019 20:57

Tgt Ion	Ratio	Lower	Upper
43	100		
58	29.9	23.6	35.4





#17

Carbon Disulfide

Concen: 38.996 ug/l

RT: 4.06 min Scan# 710

Delta R.T. 0.00 min

Lab File: VN055450.D

Acq: 7 May 2019 20:57

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 76 Resp: 354023

Ion Ratio Lower Upper

76 100

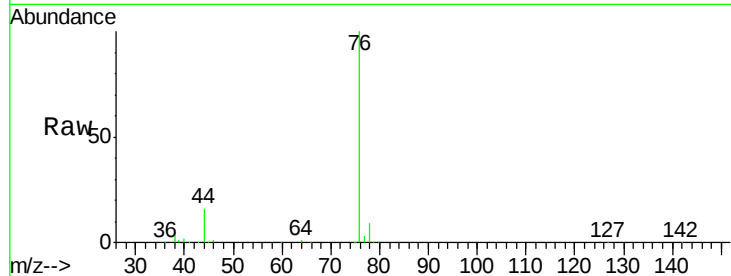
78 9.2 7.6 11.4

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VNC

Ion 77.90 (77.60 to 78.60): VNC

4.06

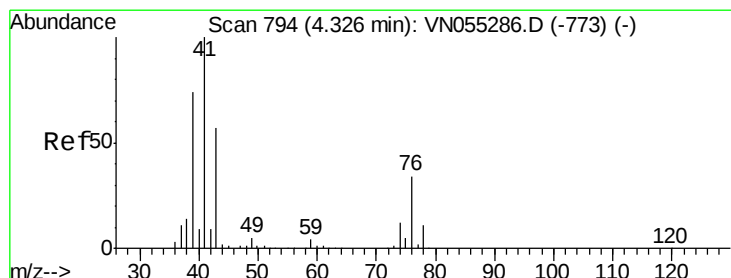
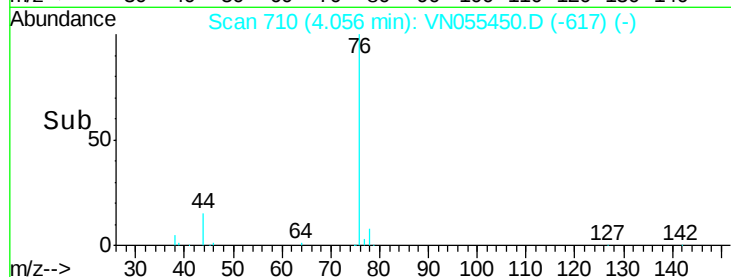
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 75.836 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN055450.D

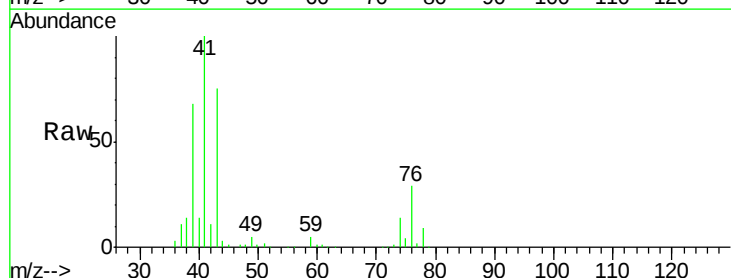
Acq: 7 May 2019 20:57

Tgt Ion: 43 Resp: 263313

Ion Ratio Lower Upper

43 100

74 19.5 15.8 23.8



Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 74.00 (73.70 to 74.70): VNC

4.33

100000

80000

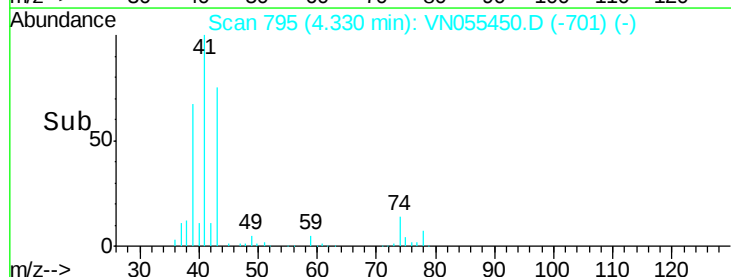
60000

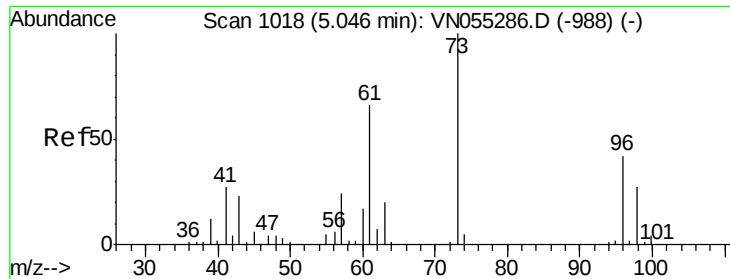
40000

20000

0

Time-->





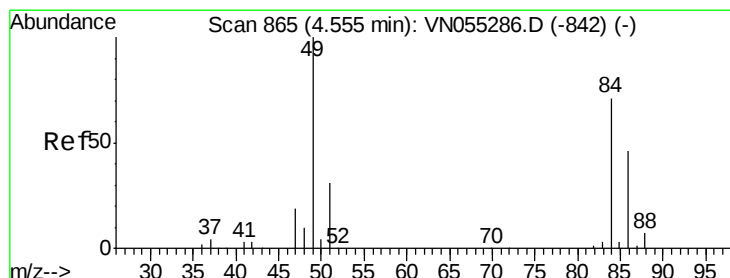
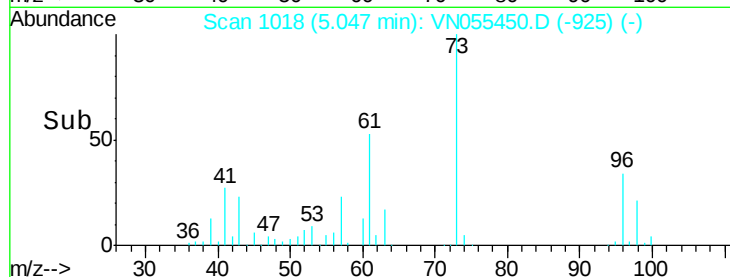
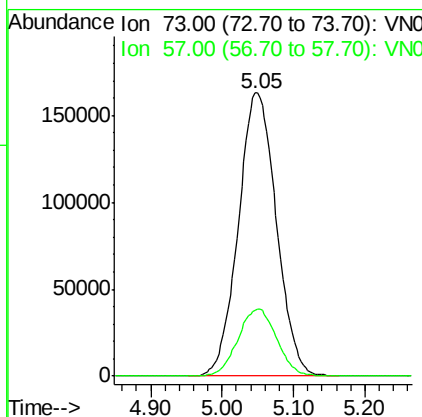
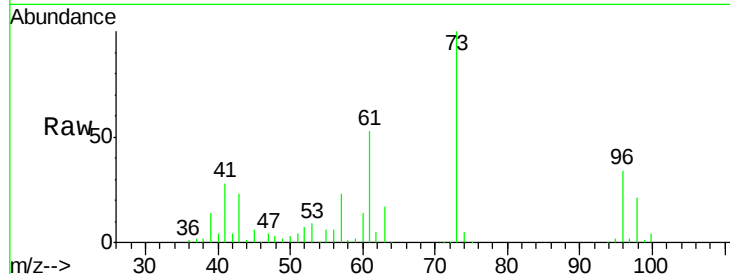
#19
Methvl tert-butvl Ether
Concen: 61.743 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN055450.D
Acq: 7 May 2019 20:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 603812
Ion Ratio Lower Upper
73 100
57 23.4 19.1 28.7

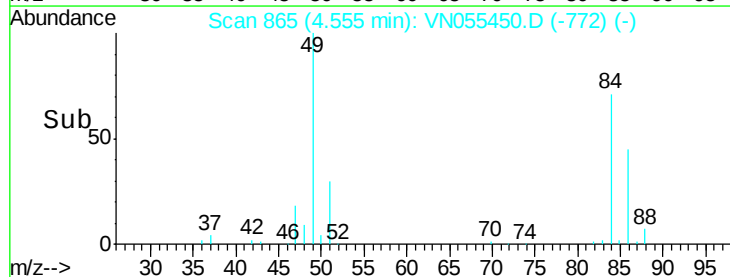
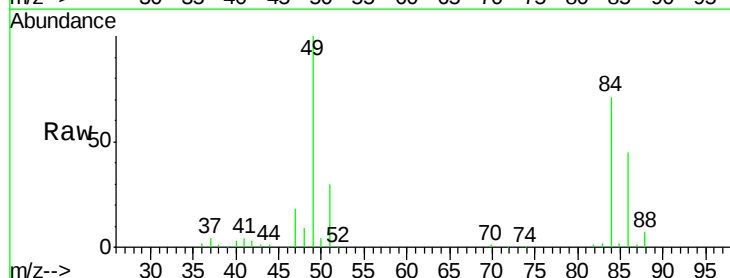
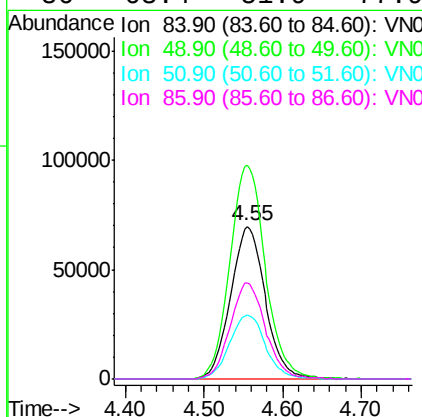
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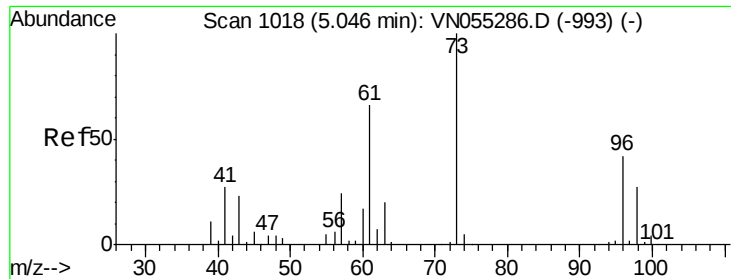
MMDadoda
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#20
Methylene Chloride
Concen: 49.153 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN055450.D
Acq: 7 May 2019 20:57

Tgt Ion: 84 Resp: 215362
Ion Ratio Lower Upper
84 100
49 140.1 112.4 168.6
51 41.7 34.6 51.8
86 63.4 51.9 77.9





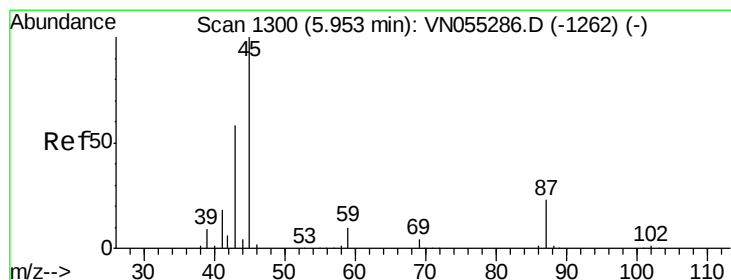
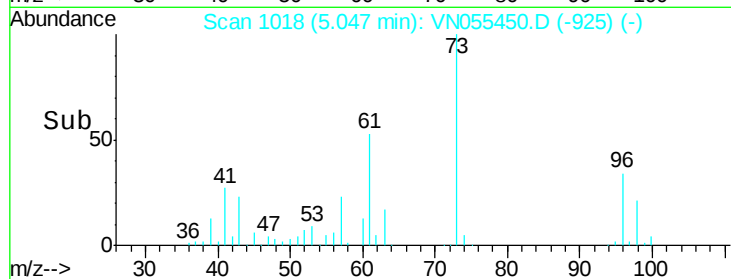
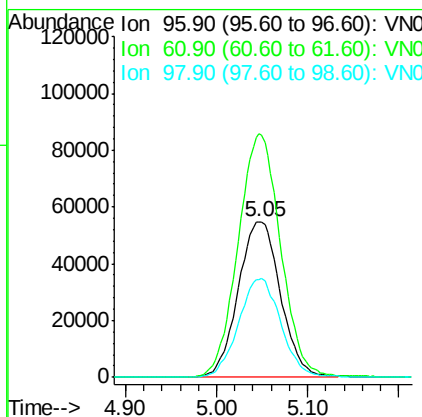
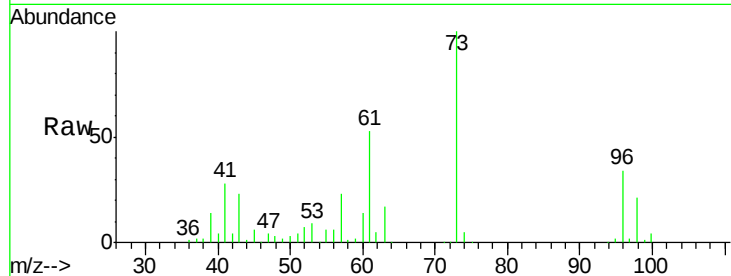
#21
trans-1,2-Dichloroethene
Concen: 48.013 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN055450.D
Acq: 7 May 2019 20:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	156.2	126.2	189.4
98	63.0	52.2	78.2

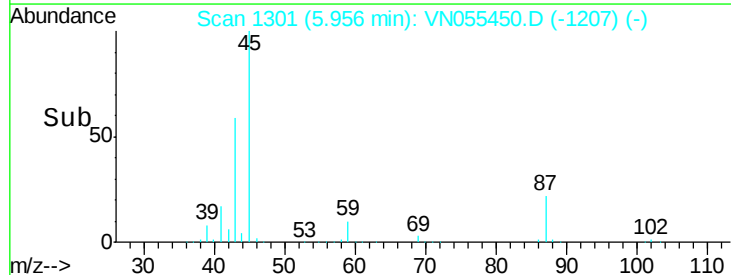
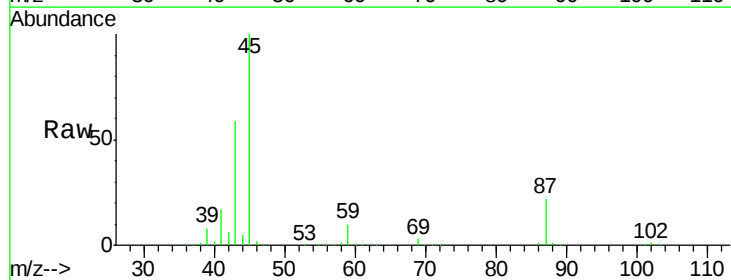
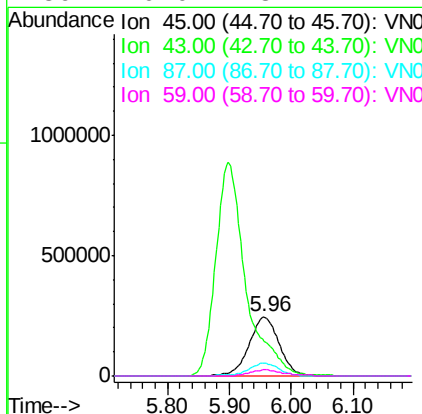
Manual Integrations
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5/8/2019 10:16:19 AM



#22
Diisopropyl ether
Concen: 58.050 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN055450.D
Acq: 7 May 2019 20:57

Tgt Ion	Ratio	Lower	Upper
45	100		
43	58.8	46.6	70.0
87	21.8	18.1	27.1
59	10.0	8.2	12.2





#23

Vinyl Acetate

Concen: 318.888 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN055450.D

Acq: 7 May 2019 20:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2991806

Ion Ratio Lower Upper

43 100

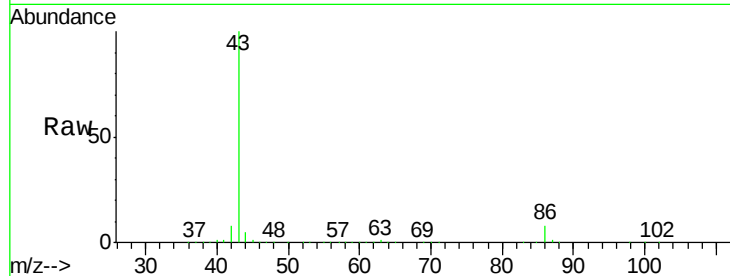
86 8.0 6.6 10.0

Manual Integrations

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MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.90

800000

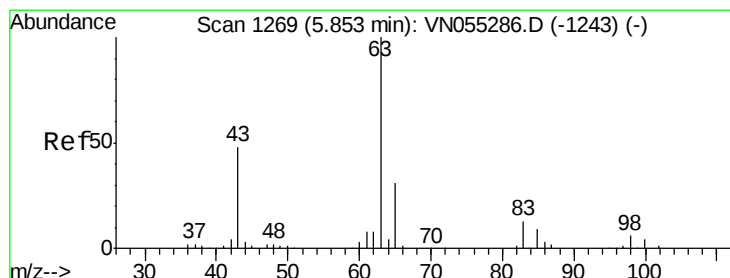
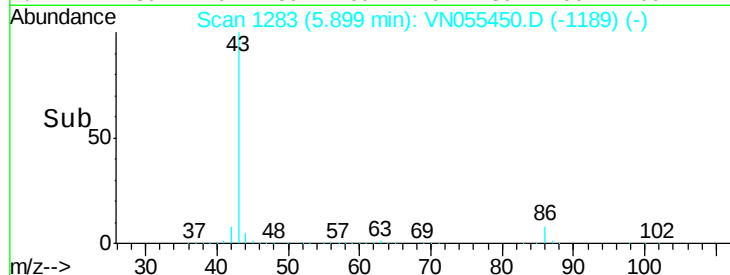
600000

400000

200000

0

Time--> 5.70 5.80 5.90 6.00 6.10



#24

1,1-Dichloroethane

Concen: 52.947 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN055450.D

Acq: 7 May 2019 20:57

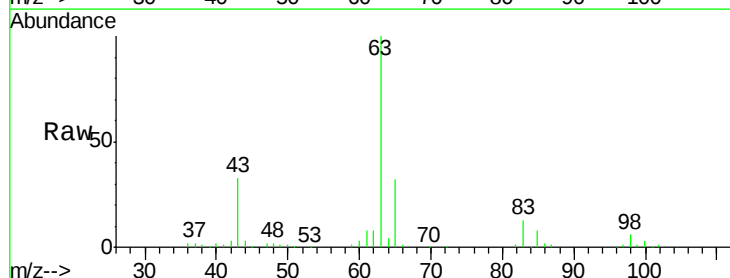
Tgt Ion: 63 Resp: 403835

Ion Ratio Lower Upper

63 100

98 5.5 3.0 9.0

100 3.2 1.8 5.4



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

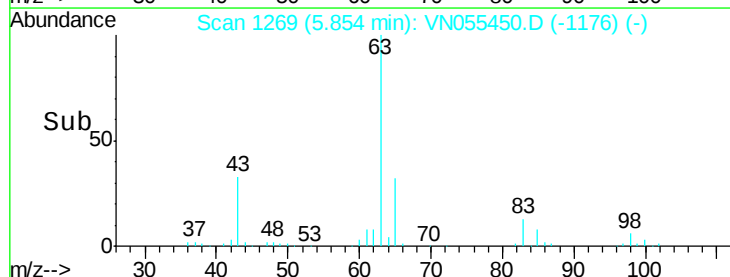
150000

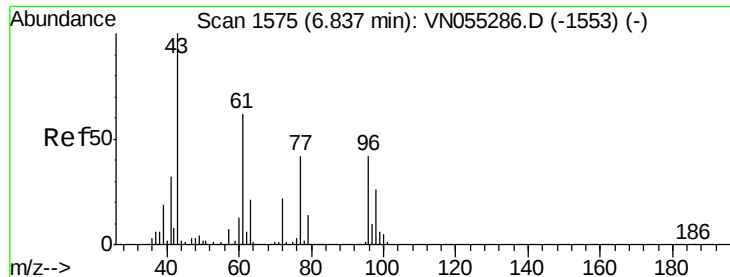
100000

50000

0

Time--> 5.70 5.80 5.90 6.00





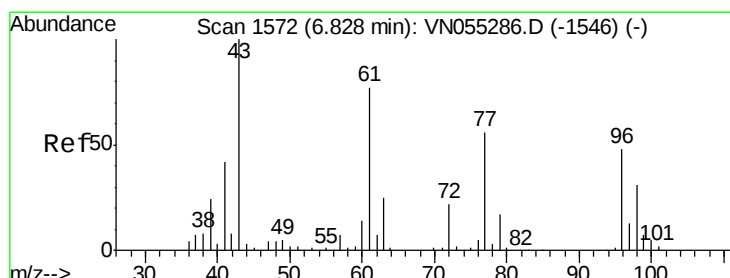
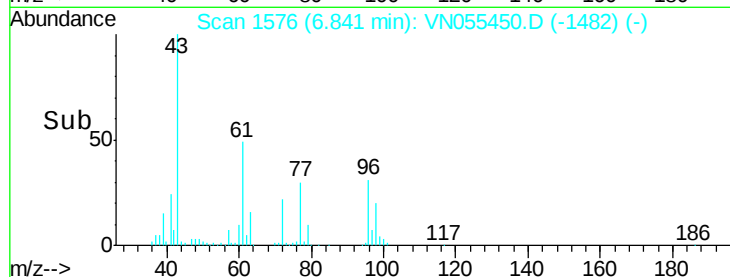
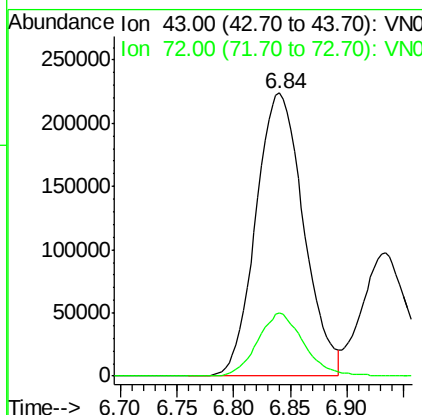
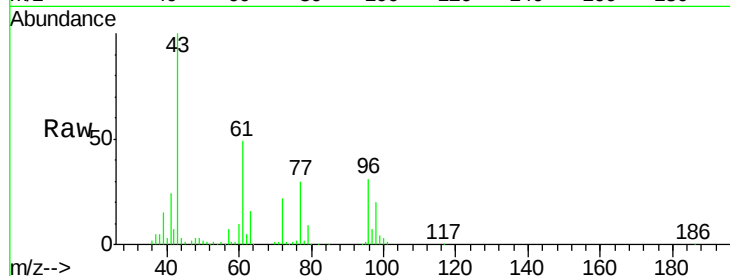
#25
2-Butanone
Concen: 356.471 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VN055450.D
Acq: 7 May 2019 20:57

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 43 Resp: 654398
Ion Ratio Lower Upper
43 100
72 22.4 18.0 27.0

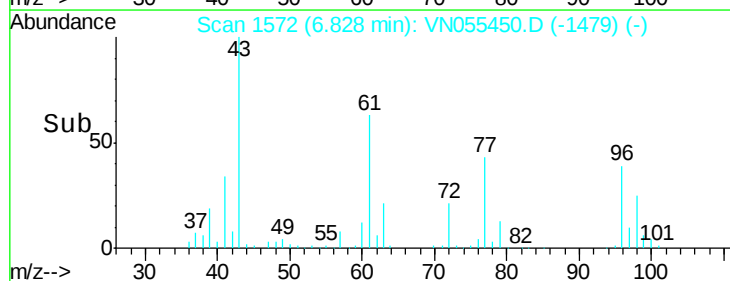
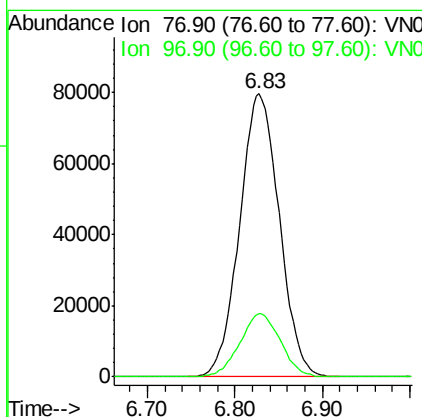
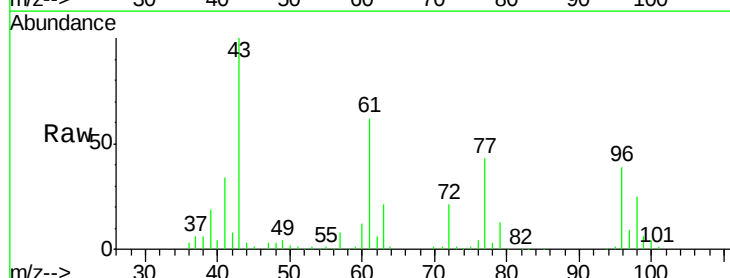
Manual Integrations
APPROVED

MMDadoda
5/8/2019 10:16:19 AM



#26
2,2-Dichloropropane
Concen: 47.522 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN055450.D
Acq: 7 May 2019 20:57

Tgt Ion: 77 Resp: 250291
Ion Ratio Lower Upper
77 100
97 22.8 11.4 34.2





#27

cis-1,2-Dichloroethene

Concen: 52.943 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN055450.D

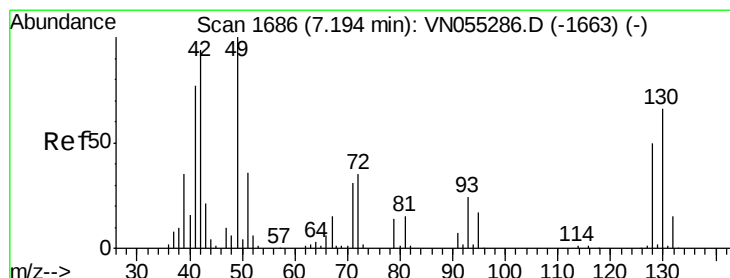
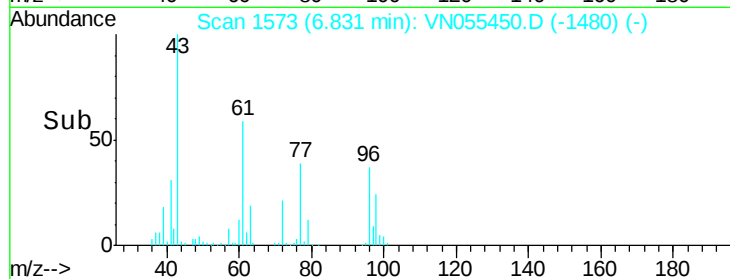
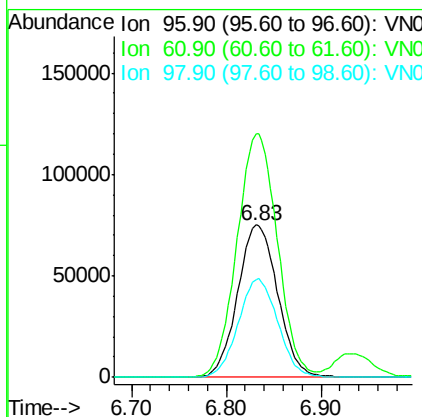
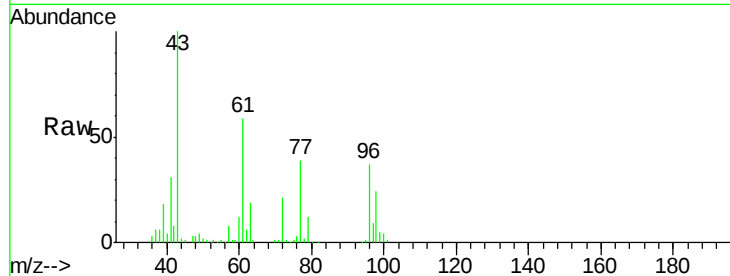
Acq: 7 May 2019 20:57

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	160.4	0.0	316.2	
98	63.7	0.0	126.6	

Manual Integrations
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#28

Bromochloromethane

Concen: 51.447 ug/l

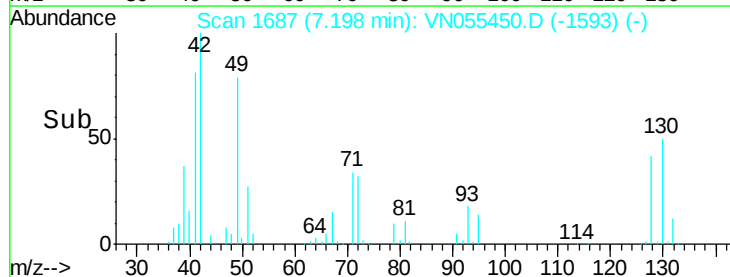
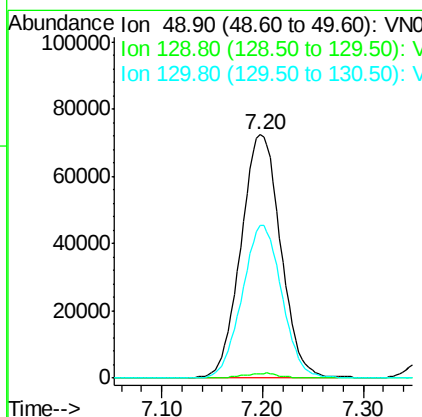
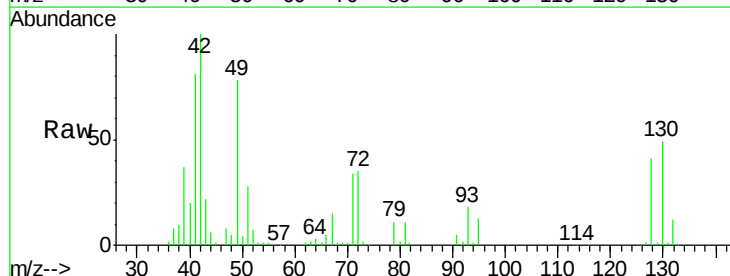
RT: 7.20 min Scan# 1687

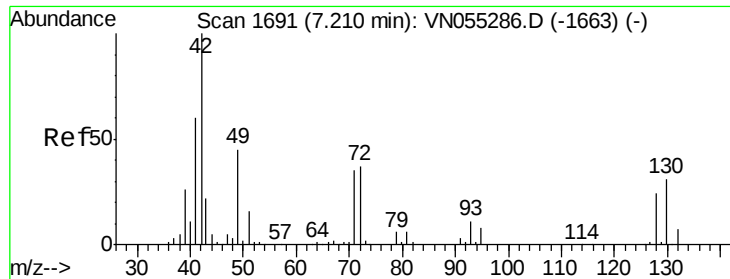
Delta R.T. 0.00 min

Lab File: VN055450.D

Acq: 7 May 2019 20:57

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.7	0.0	2.4	
130	62.8	52.0	78.0	





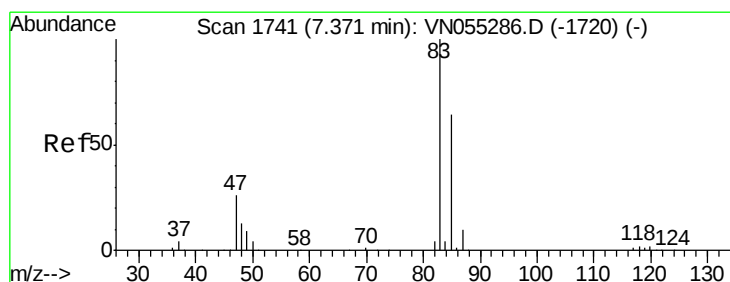
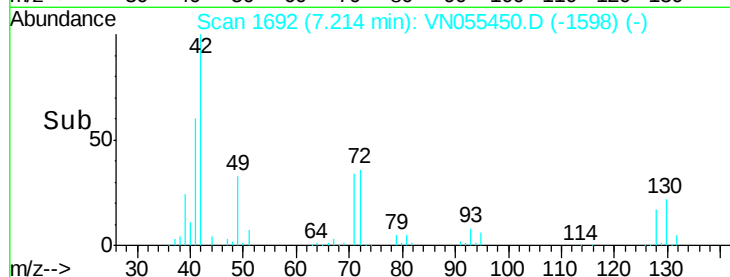
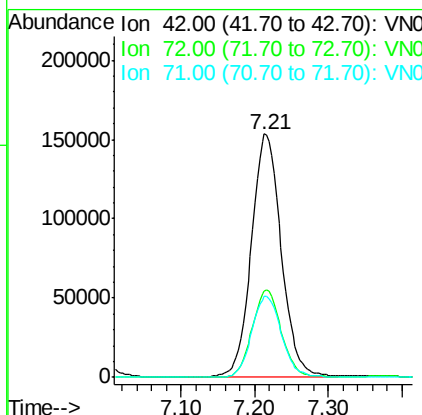
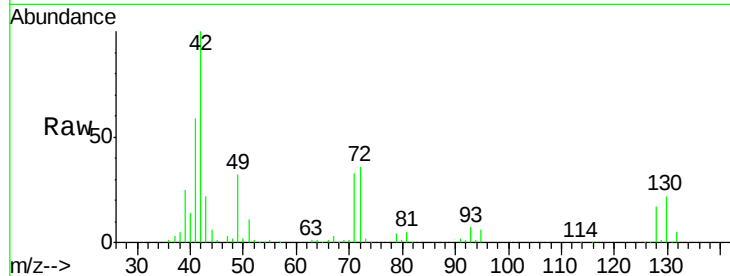
#29
Tetrahydrofuran
Concen: 370.149 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN055450.D
Acq: 7 May 2019 20:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	35.0	29.0	43.6
71	33.2	27.1	40.7

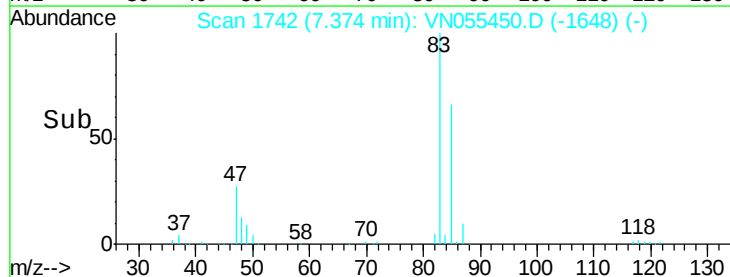
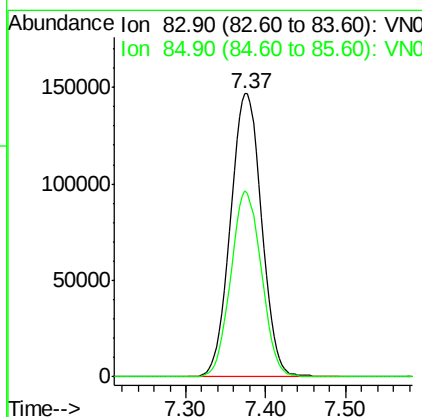
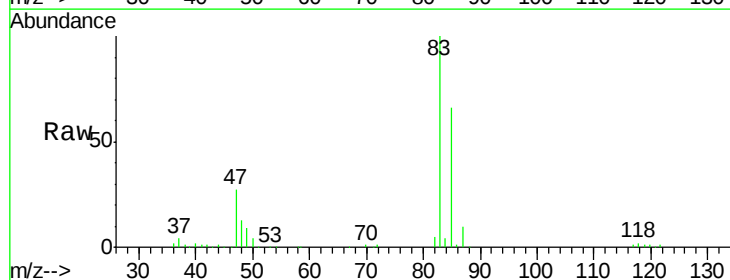
Manual Integrations
APPROVED

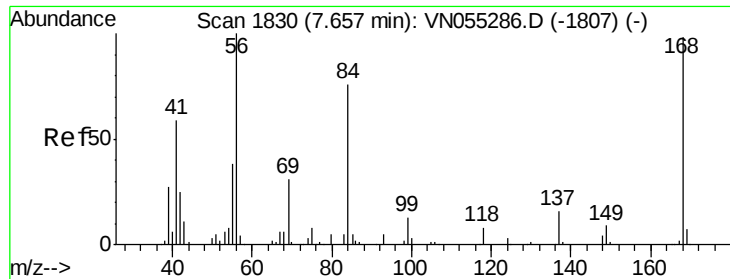
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#30
Chloroform
Concen: 53.503 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN055450.D
Acq: 7 May 2019 20:57

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.8	51.4	77.2





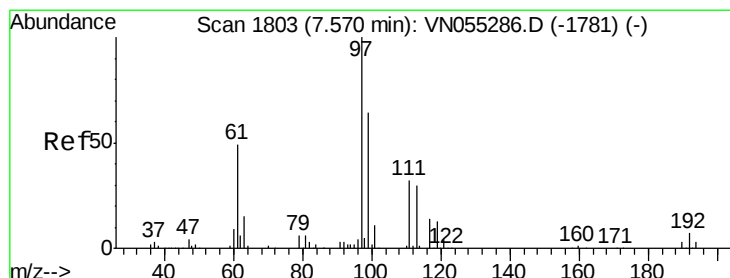
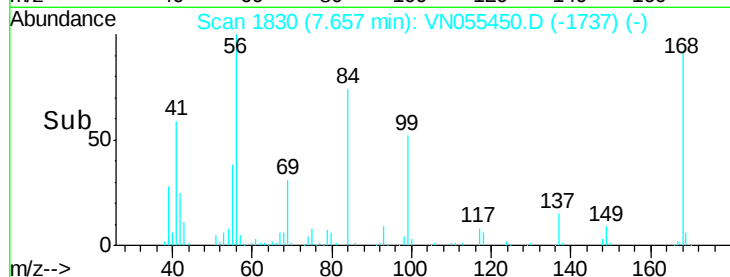
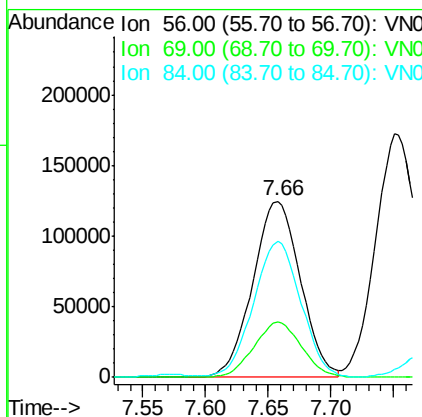
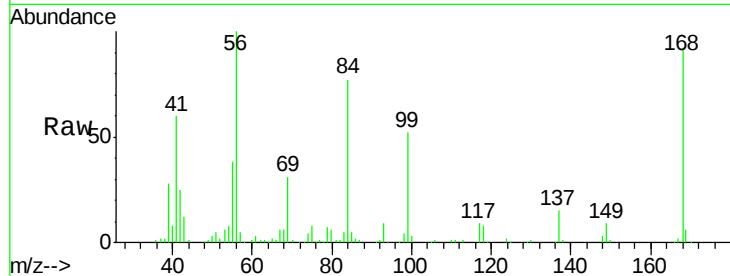
#31
Cyclohexane
Concen: 45.575 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN055450.D
Acq: 7 May 2019 20:57

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
56	100			
69	31.4	25.2	37.8	
84	76.2	61.1	91.7	

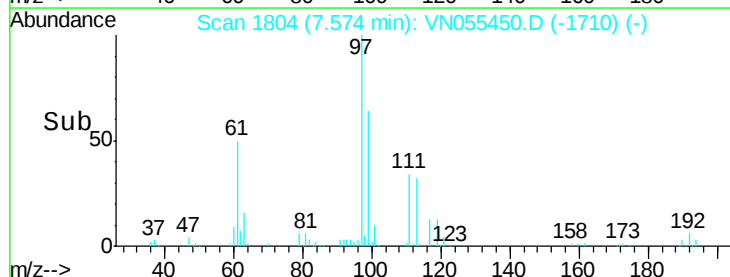
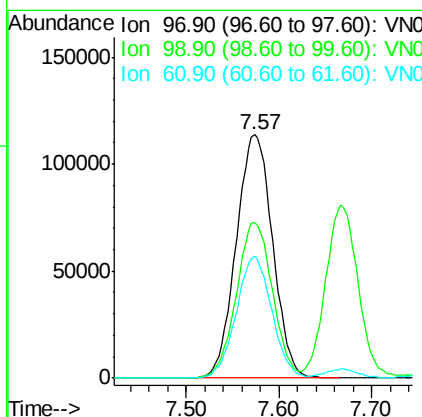
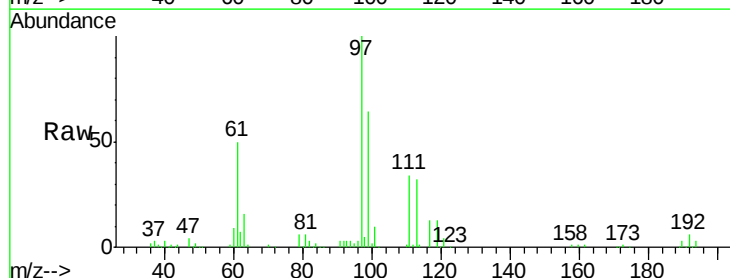
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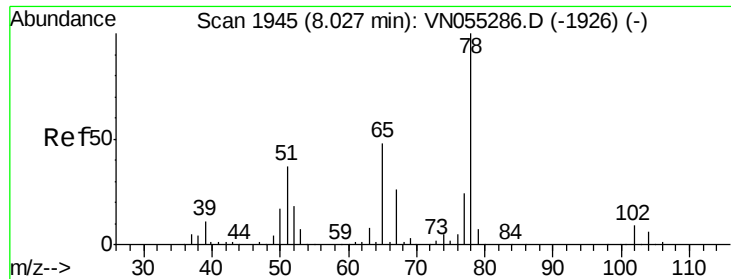
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#32
1,1,1-Trichloroethane
Concen: 52.782 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN055450.D
Acq: 7 May 2019 20:57

Tgt Ion	Ratio	Resp	Lower	Upper
97	100			
99	63.2	51.8	77.8	
61	48.9	39.0	58.6	





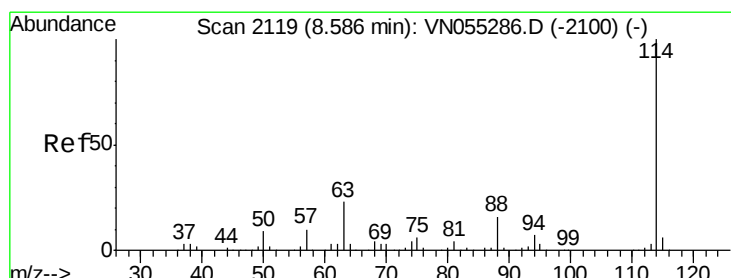
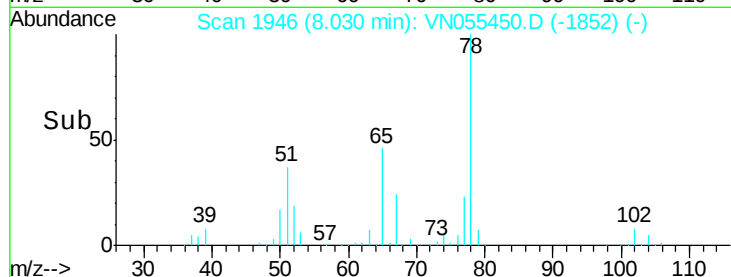
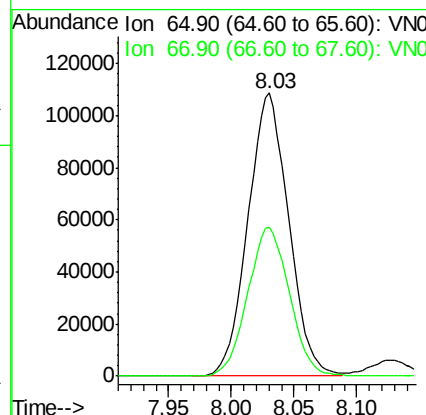
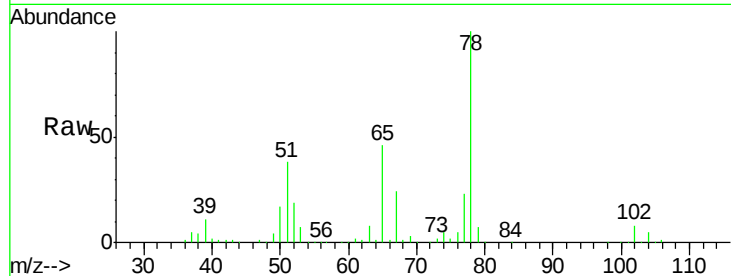
#33
 1,2-Dichloroethane-d4
 Concen: 53.415 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN055450.D
 Acq: 7 May 2019 20:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	246081		
67	53.9	0.0	106.8	

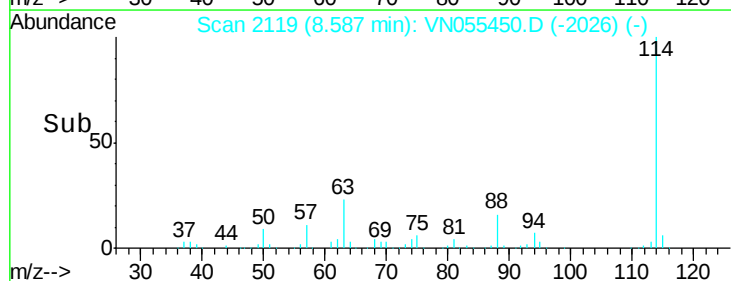
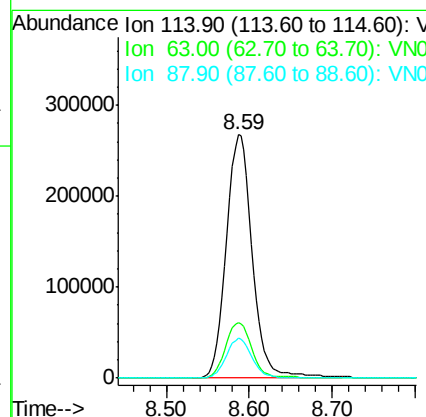
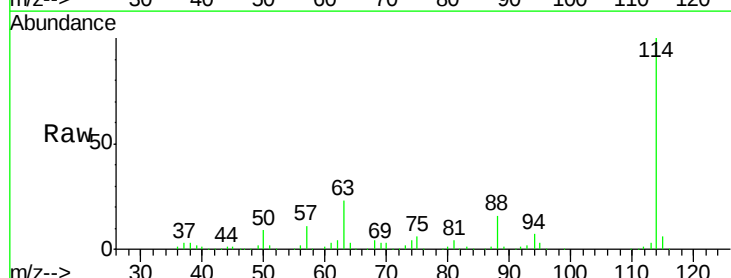
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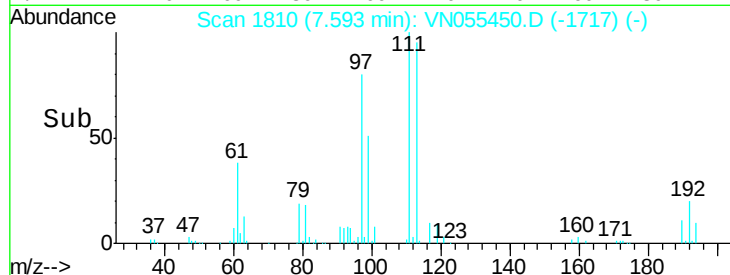
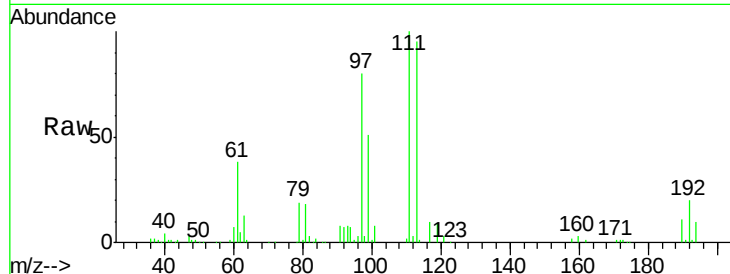
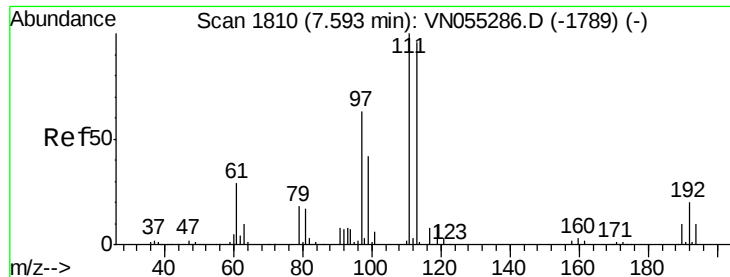
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055450.D
 Acq: 7 May 2019 20:57

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	583656		
63	22.7	0.0	45.2	
88	16.3	0.0	31.6	





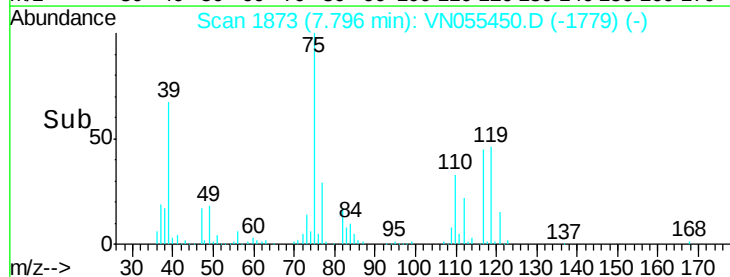
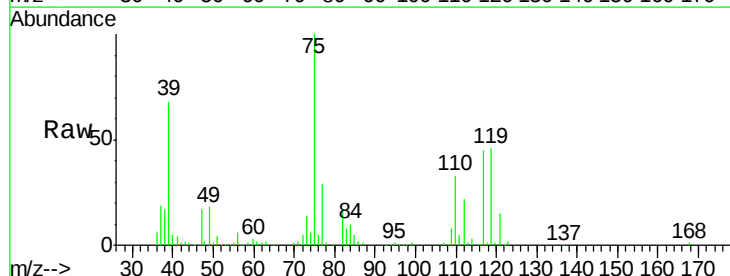
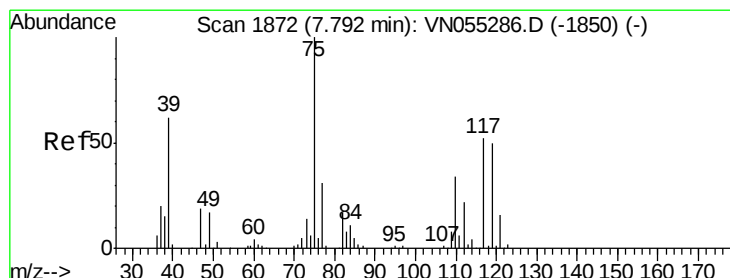
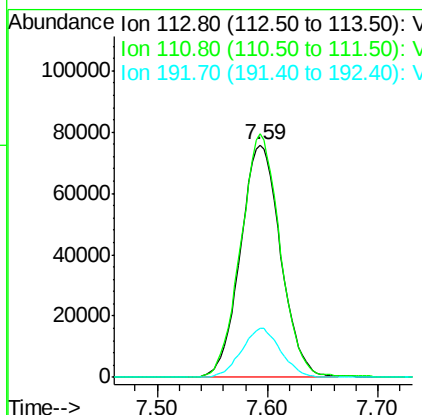
#35
Dibromofluoromethane
Concen: 49.945 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN055450.D
Acq: 7 May 2019 20:57

Tot Ion	Ratio	Resp	Lower	Upper
113	100	191334		
111	102.7	82.3	123.5	
192	20.6	17.0	25.6	

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

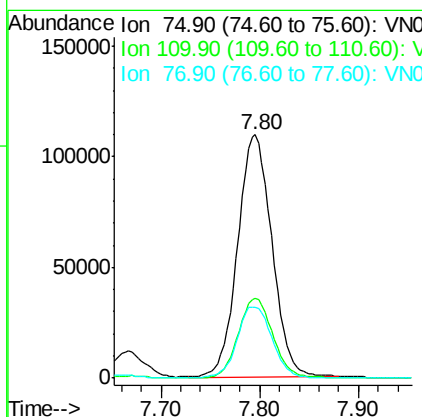
Manual Integrations
APPROVED

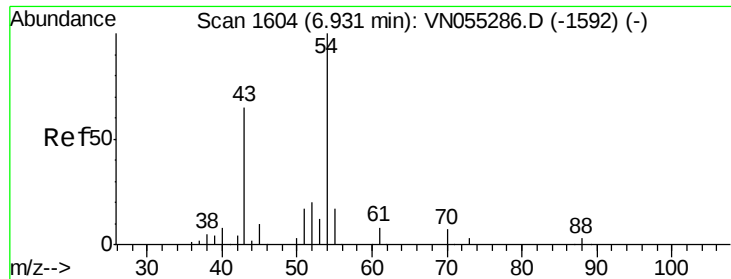
MMDadoda
5/8/2019 10:16:19 AM



#36
1,1-Dichloropropene
Concen: 47.259 ug/l
RT: 7.80 min Scan# 1873
Delta R.T. 0.00 min
Lab File: VN055450.D
Acq: 7 May 2019 20:57

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	264201		
110	33.4	16.8	50.4	
77	30.5	25.0	37.6	





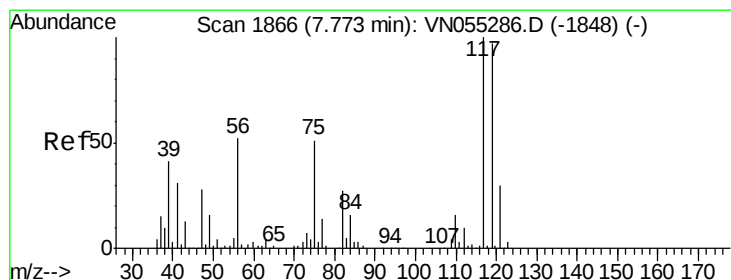
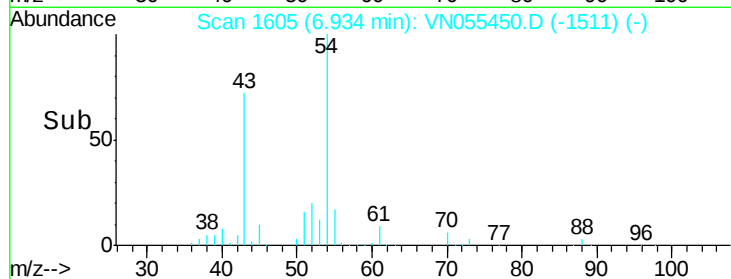
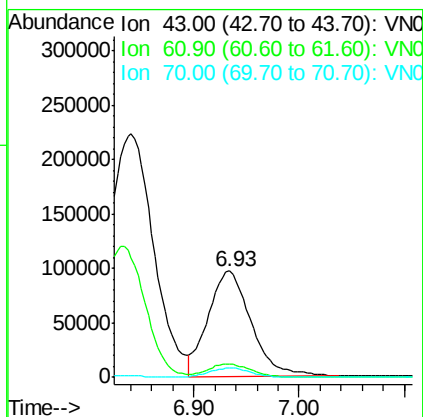
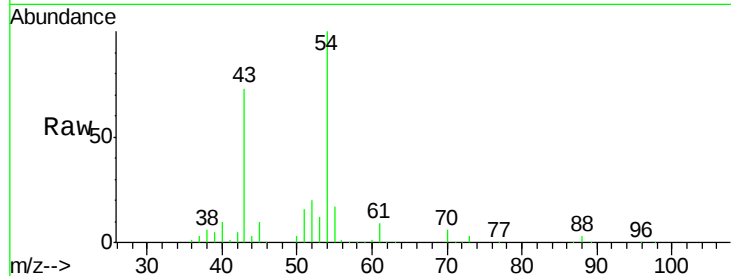
#37
Ethyl Acetate
Concen: 63.627 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN055450.D
Acq: 7 May 2019 20:57

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.2	10.4	15.6
70	8.8	6.6	10.0

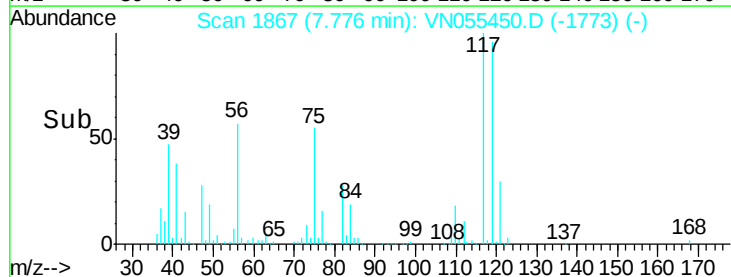
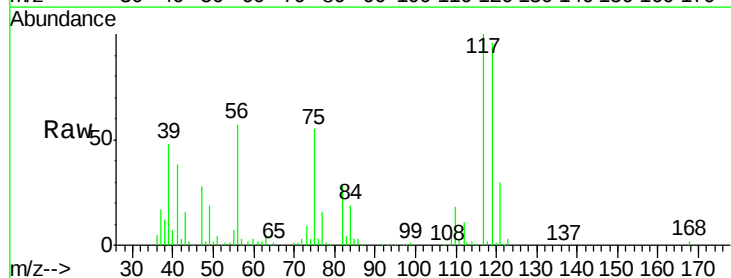
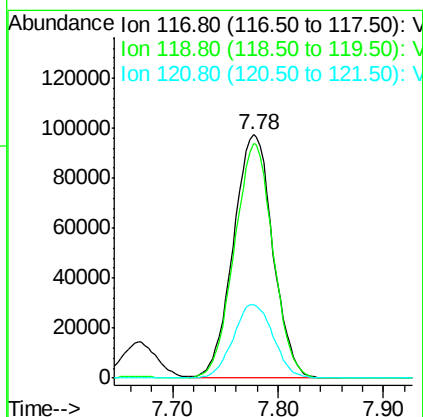
Manual Integrations
APPROVED

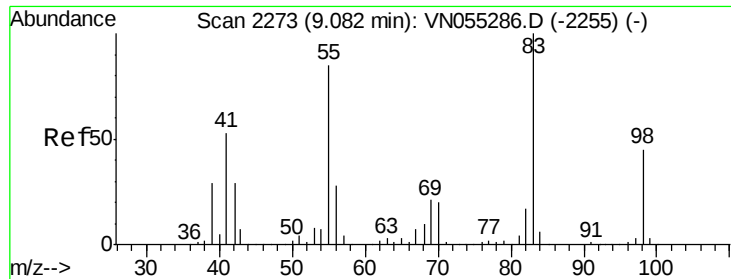
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5/8/2019 10:16:19 AM



#38
Carbon Tetrachloride
Concen: 47.019 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN055450.D
Acq: 7 May 2019 20:57

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.4	77.0	115.6
121	30.3	23.8	35.8





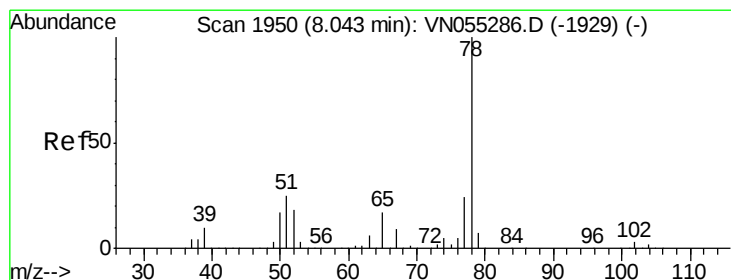
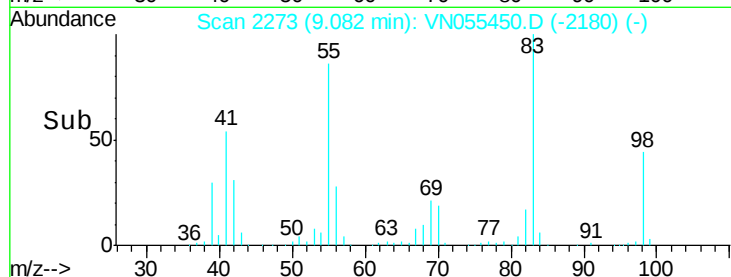
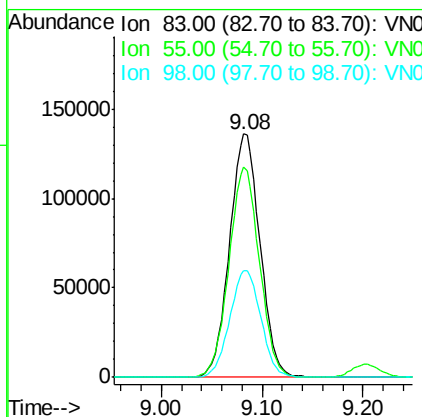
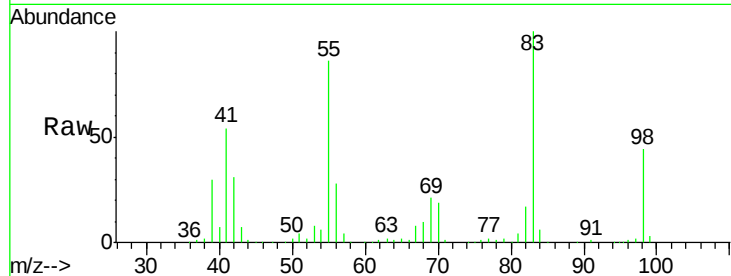
#39
Methvlcvclohexane
Concen: 48.107 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN055450.D
Acq: 7 May 2019 20:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	83.00	Resp	285943
Ion Ratio	Lower	Upper	
83	100		
55	86.3	67.8	101.6
98	44.1	36.2	54.4

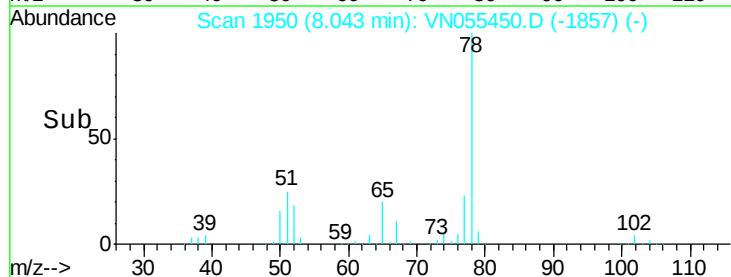
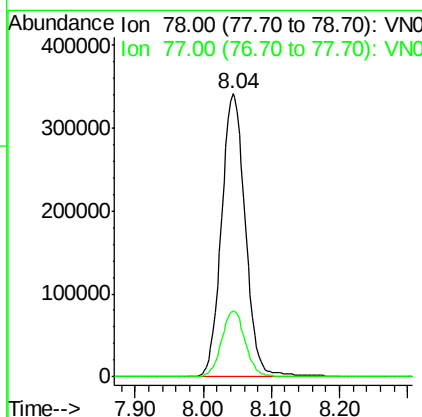
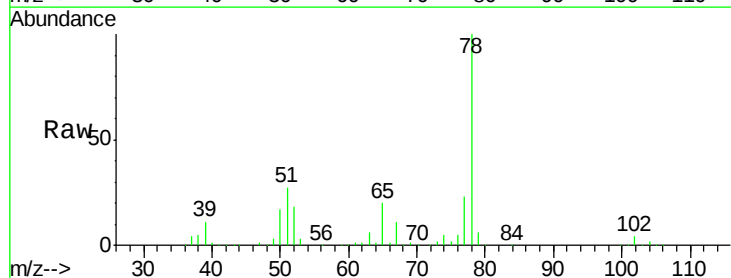
Manual Integrations
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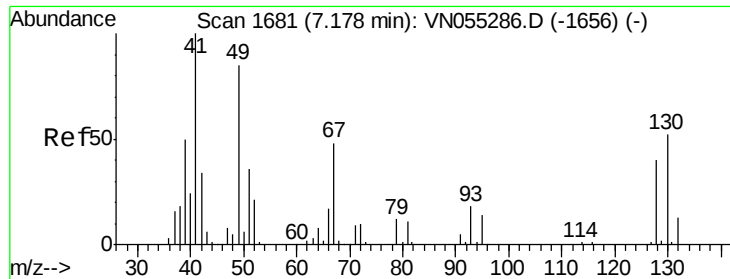
MMDadoda
5/8/2019 10:16:19 AM



#40
Benzene
Concen: 50.255 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN055450.D
Acq: 7 May 2019 20:57

Tgt Ion	78.00	Resp	828226
Ion Ratio	Lower	Upper	
78	100		
77	23.5	19.0	28.6





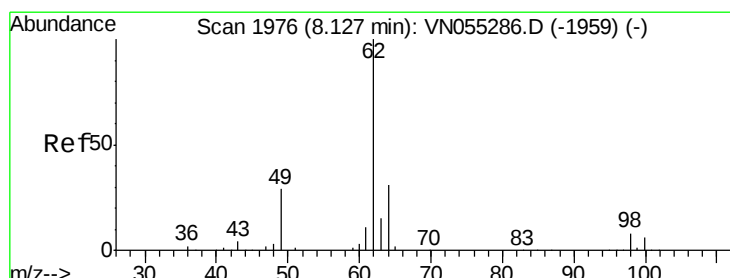
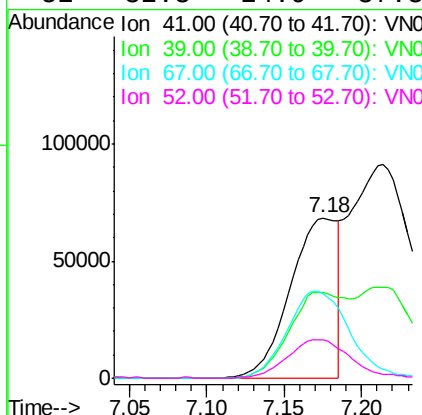
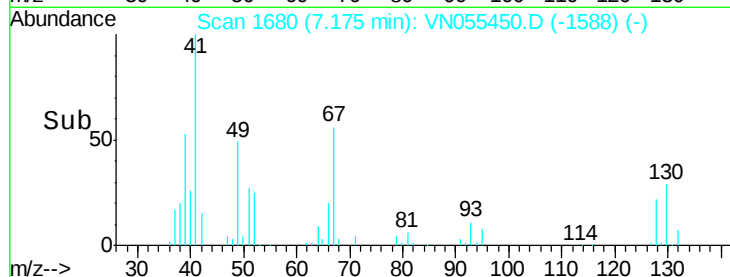
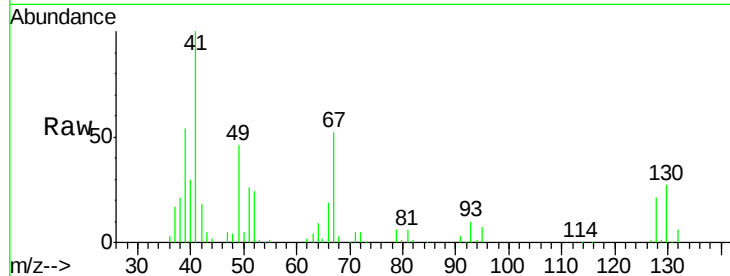
#41
Methacrylonitrile
Concen: 62.557 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN055450.D
Acq: 7 May 2019 20:57

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	41	Resp	145503
Ion Ratio	Lower	Upper	
41	100		
39	66.8	48.5	72.7
67	71.8	54.9	82.3
52	32.3	24.9	37.3

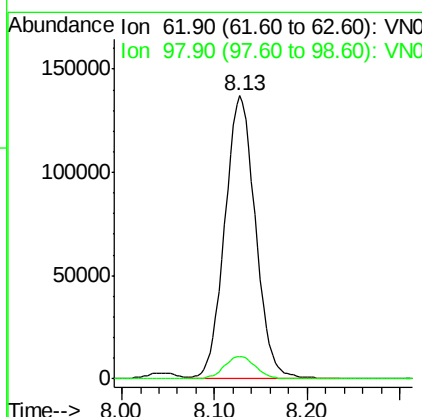
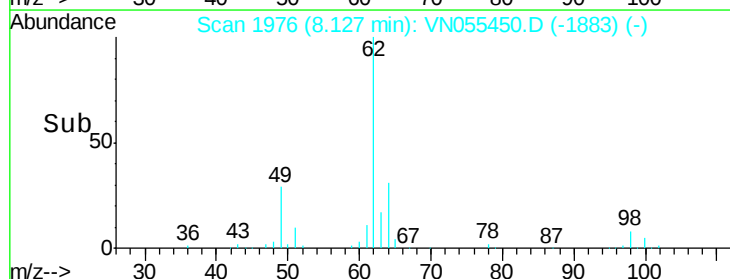
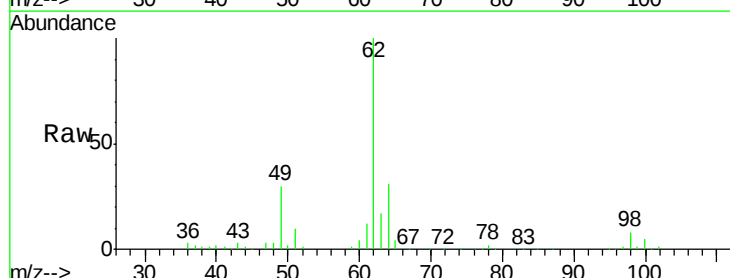
Manual Integrations
APPROVED

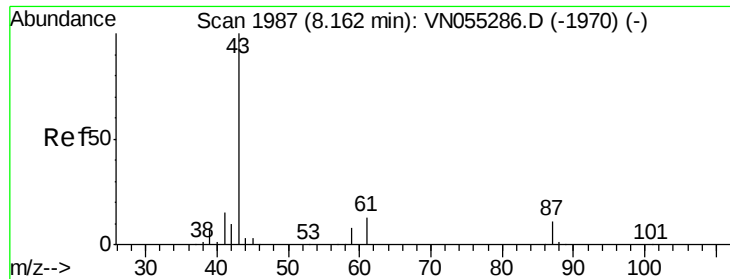
MMDadoda
5/8/2019 10:16:19 AM



#42
1,2-Dichloroethane
Concen: 53.599 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN055450.D
Acq: 7 May 2019 20:57

Tgt Ion	62	Resp	312862
Ion Ratio	Lower	Upper	
62	100		
98	8.2	0.0	16.4





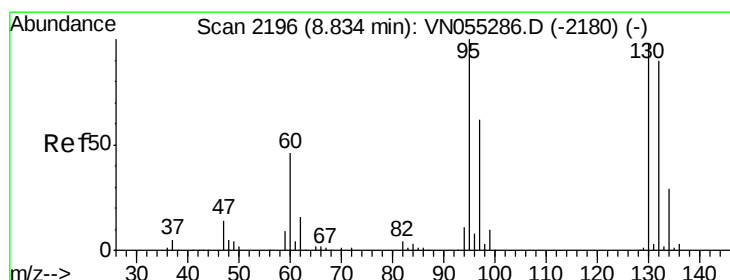
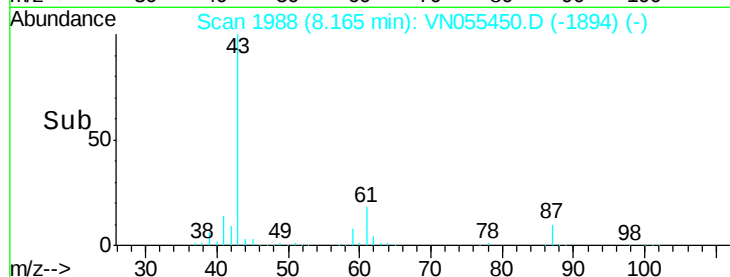
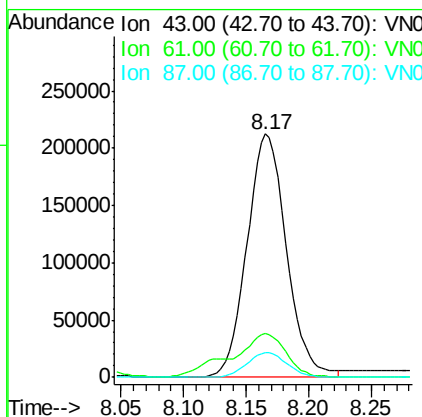
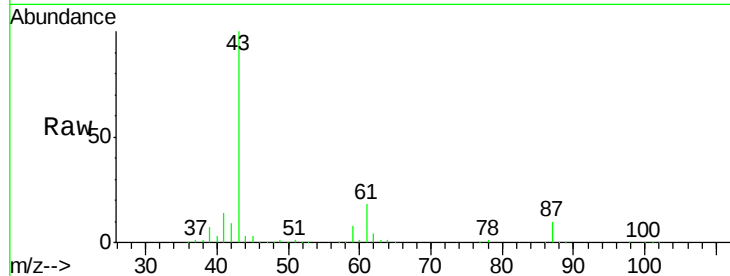
#43
Isopropyl Acetate
Concen: 67.318 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN055450.D
Acq: 7 May 2019 20:57

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	25.0	20.8	31.2
87	10.2	8.5	12.7

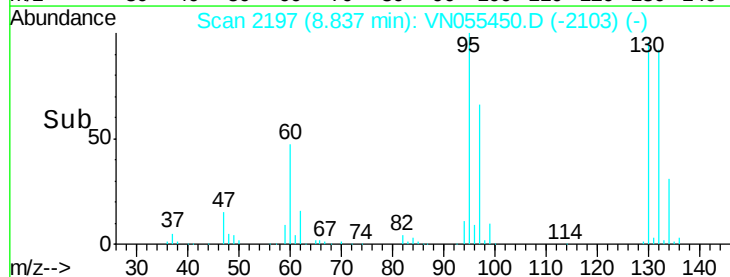
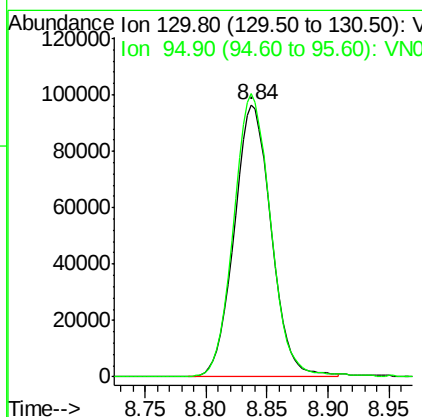
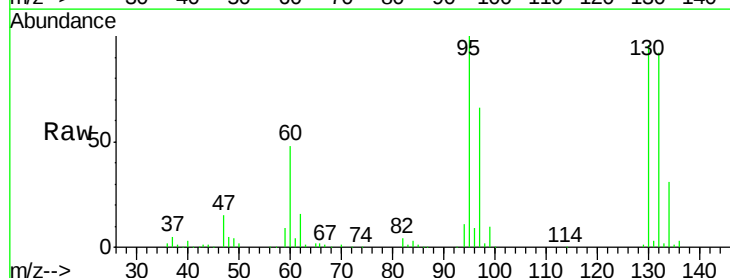
Manual Integrations
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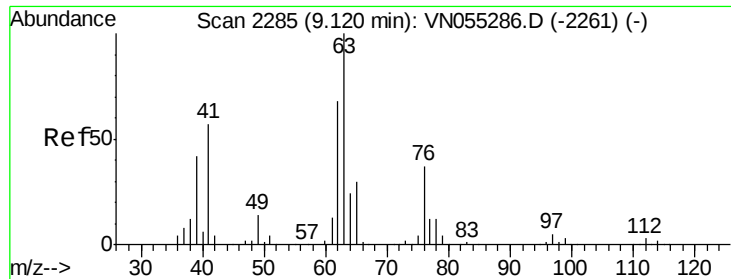
MMDadoda
5/8/2019 10:16:19 AM



#44
Trichloroethene
Concen: 48.196 ug/l
RT: 8.84 min Scan# 2197
Delta R.T. 0.00 min
Lab File: VN055450.D
Acq: 7 May 2019 20:57

Tgt Ion	Ratio	Lower	Upper
130	100		
95	104.1	0.0	203.4





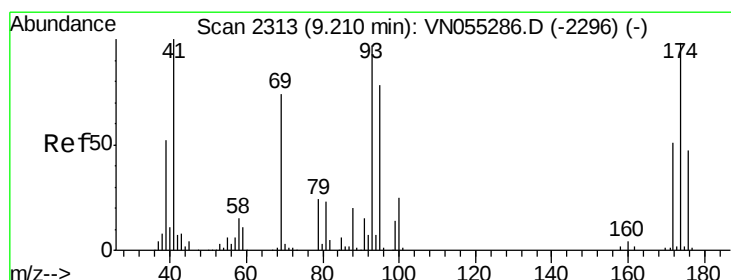
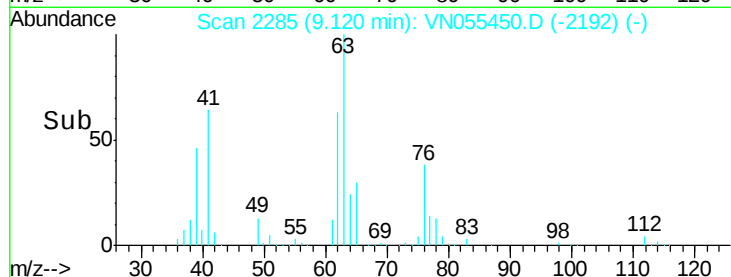
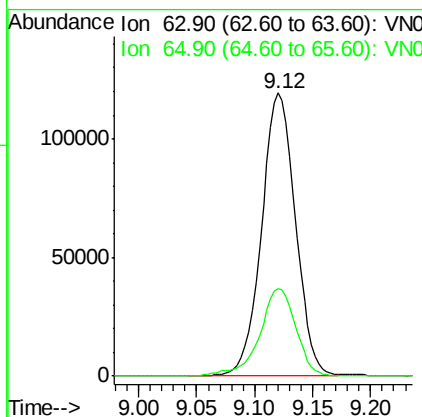
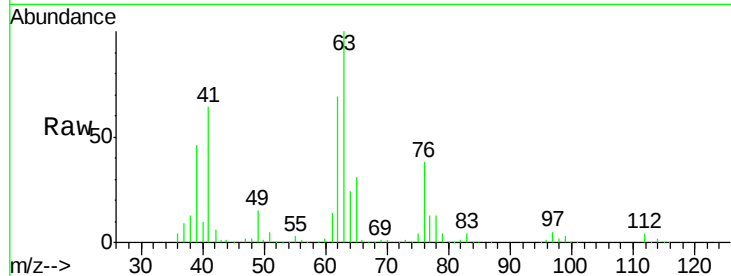
#45
 1,2-Dichloropropane
 Concen: 51.051 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN055450.D
 Acq: 7 May 2019 20:57

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion: 63 Resp: 242657
 Ion Ratio Lower Upper
 63 100
 65 31.0 23.9 35.9

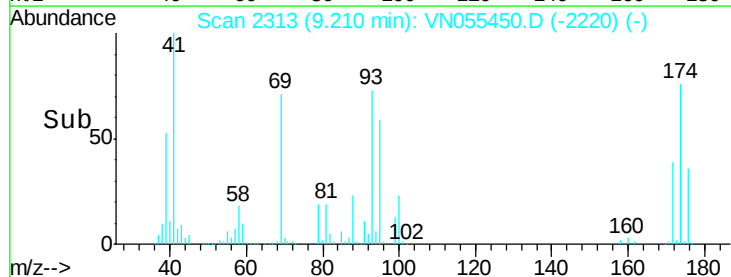
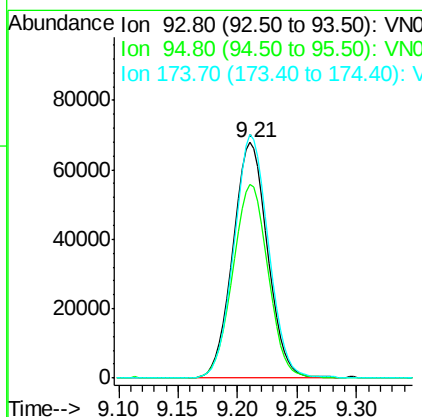
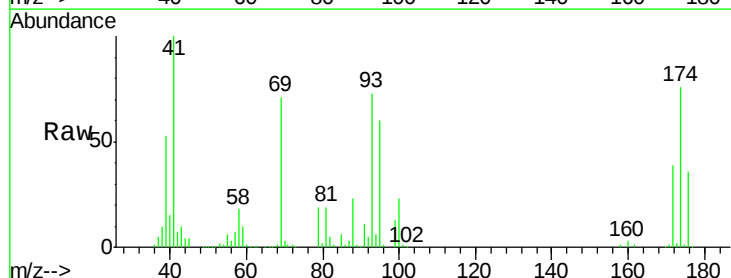
Manual Integrations
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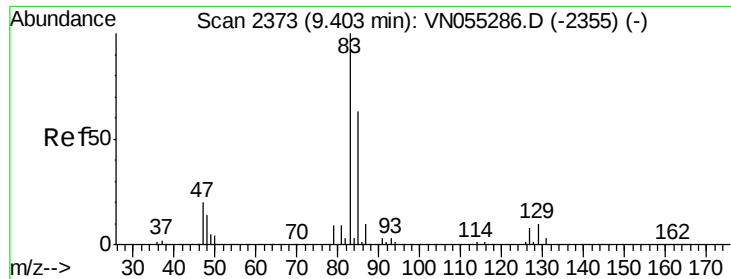
MMDadoda
 5/8/2019 10:16:19 AM



#46
 Dibromomethane
 Concen: 52.955 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN055450.D
 Acq: 7 May 2019 20:57

Tgt Ion: 93 Resp: 137584
 Ion Ratio Lower Upper
 93 100
 95 83.3 65.7 98.5
 174 102.6 81.5 122.3





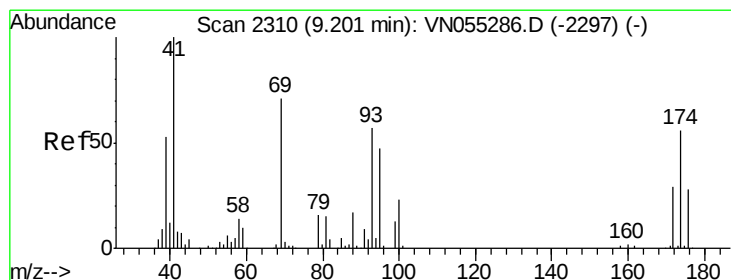
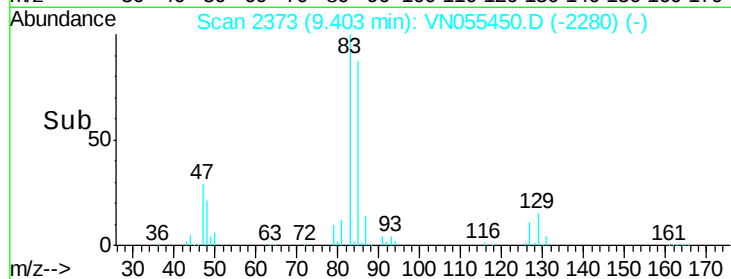
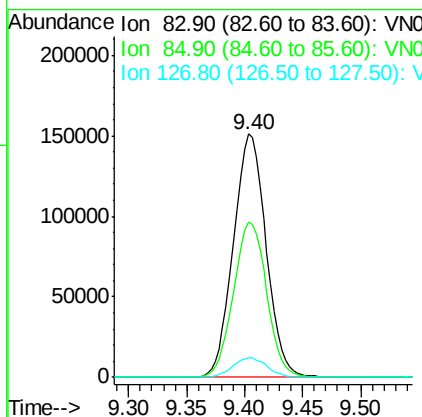
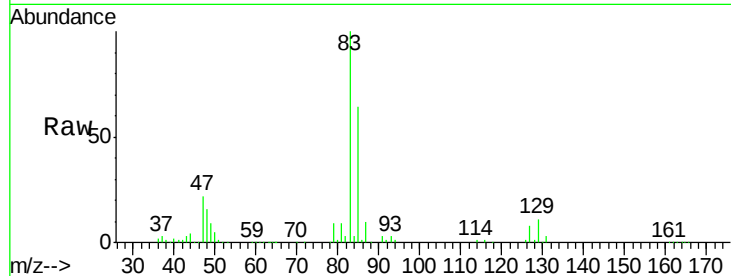
#47
Bromodichloromethane
Concen: 53.060 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN055450.D
Acq: 7 May 2019 20:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	295748		
85	63.7		50.1	75.1
127	8.1		6.7	10.1

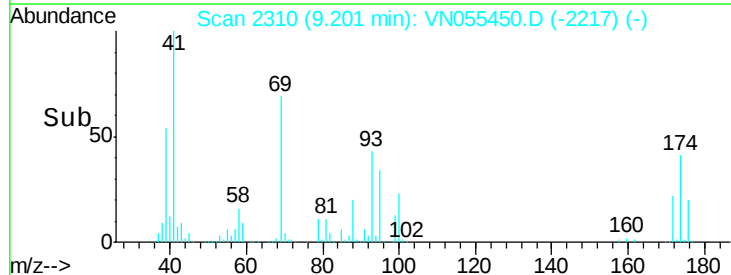
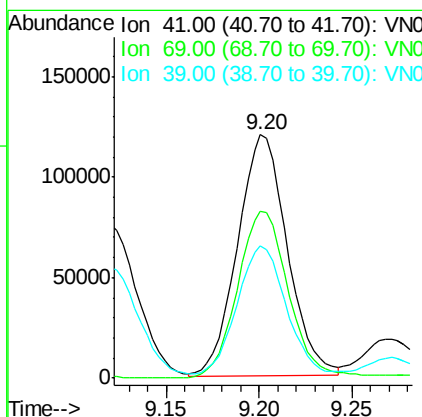
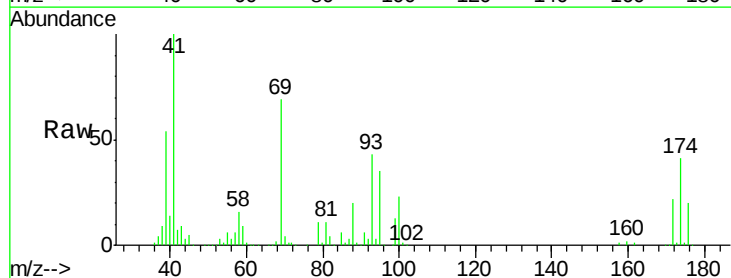
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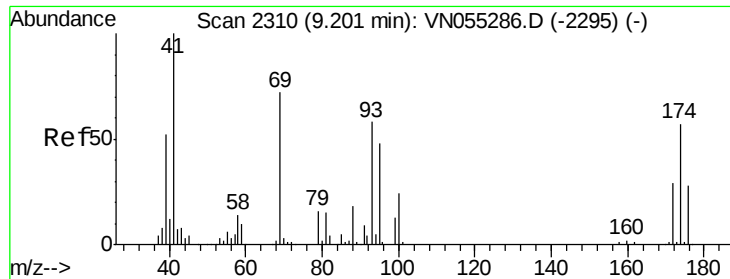
MMDadoda
5/8/2019 10:16:19 AM



#48
Methyl methacrylate
Concen: 66.424 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN055450.D
Acq: 7 May 2019 20:57

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	224849		
69	72.5		58.6	87.8
39	55.1		43.8	65.6





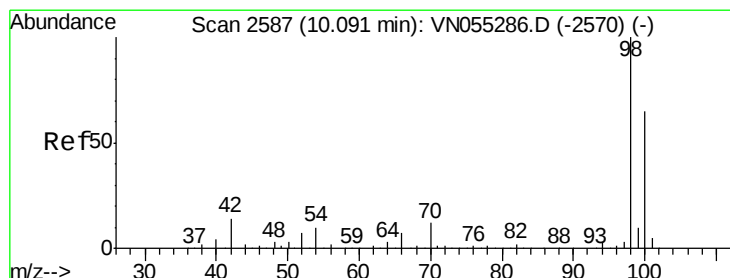
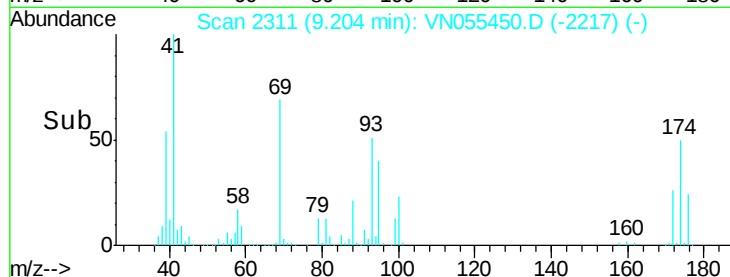
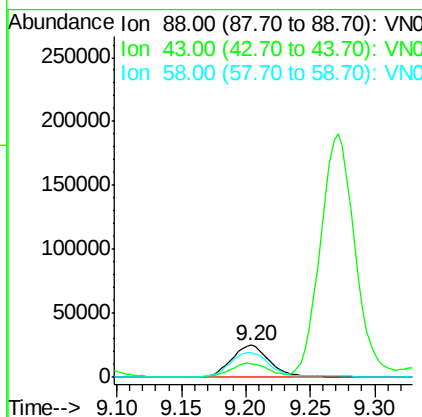
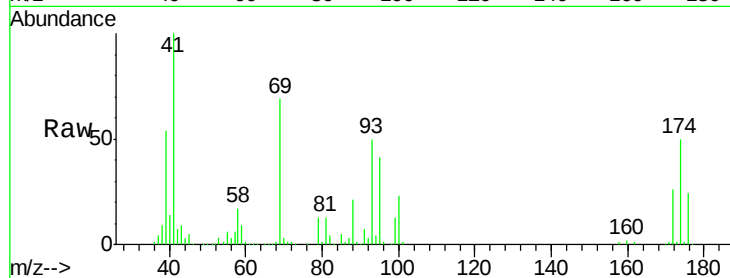
#49
1,4-Dioxane
Concen: 1507.308 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN055450.D
Acq: 7 May 2019 20:57

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	88	Resp	52744
Ion	Ratio	Lower	Upper
88	100		
43	38.8	33.3	49.9
58	78.9	62.7	94.1

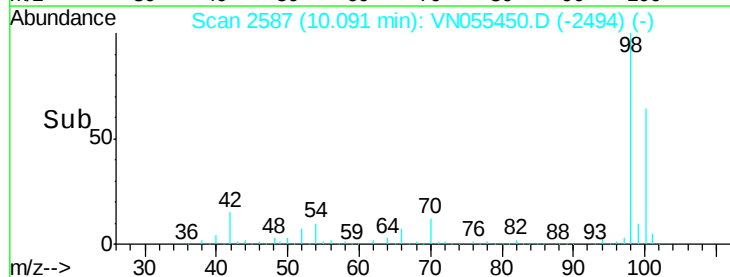
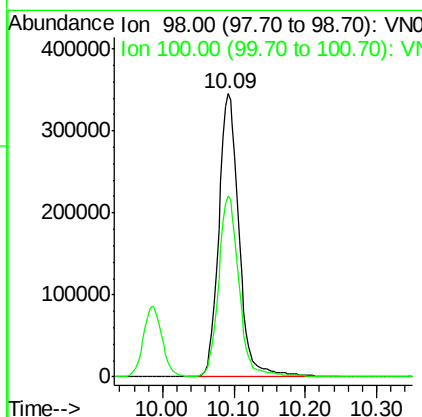
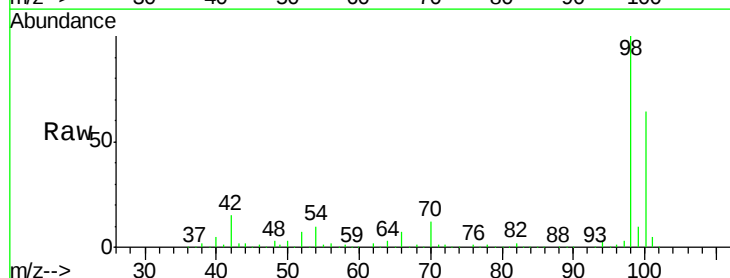
Manual Integrations
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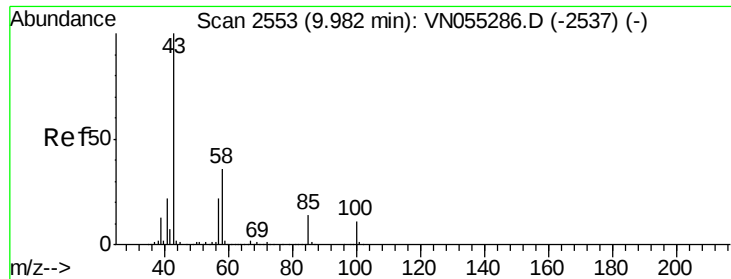
MMDadoda
5/8/2019 10:16:19 AM



#50
Toluene-d8
Concen: 48.986 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN055450.D
Acq: 7 May 2019 20:57

Tgt Ion	98	Resp	677628
Ion	Ratio	Lower	Upper
98	100		
100	64.6	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 360.991 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055450.D

Acq: 7 May 2019 20:57

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 1399478

Ion Ratio Lower Upper

43 100

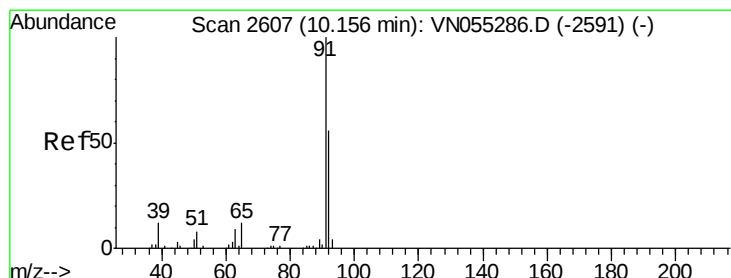
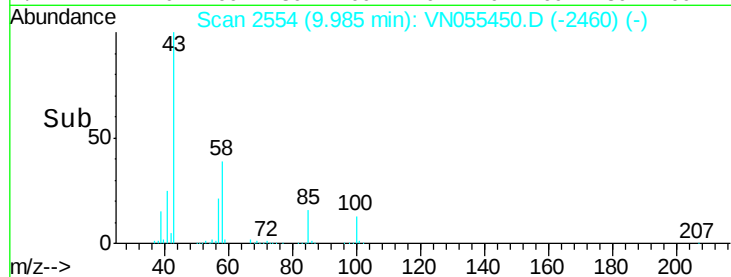
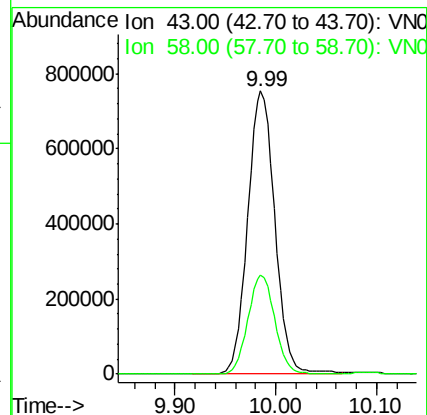
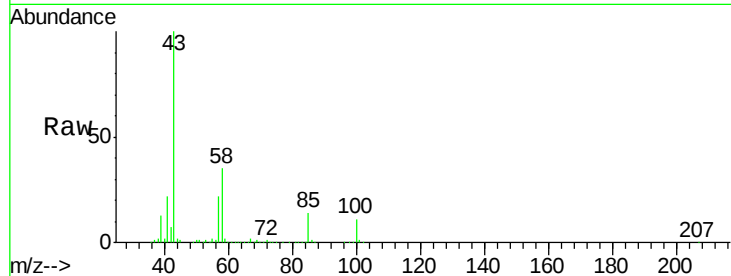
58 34.7 28.5 42.7

Manual Integrations

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MMDadoda

5/8/2019 10:16:19 AM



#52

Toluene

Concen: 51.186 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055450.D

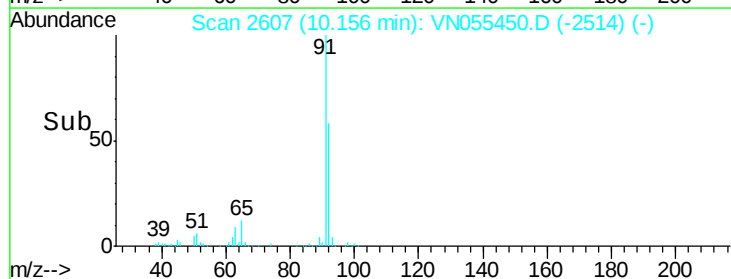
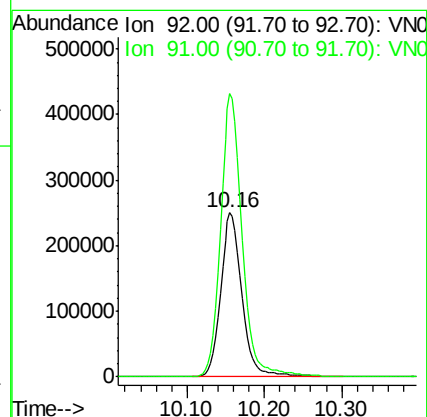
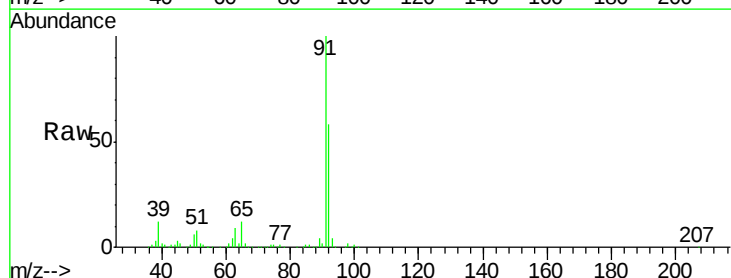
Acq: 7 May 2019 20:57

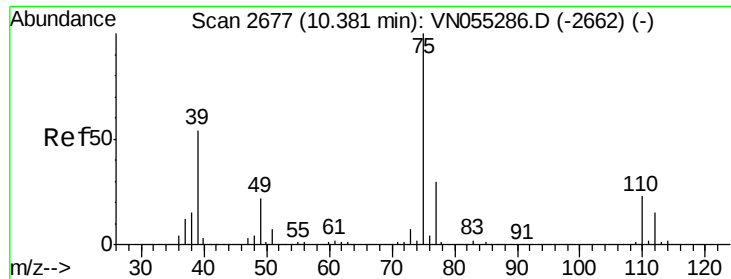
Tgt Ion: 92 Resp: 484016

Ion Ratio Lower Upper

92 100

91 174.6 140.1 210.1





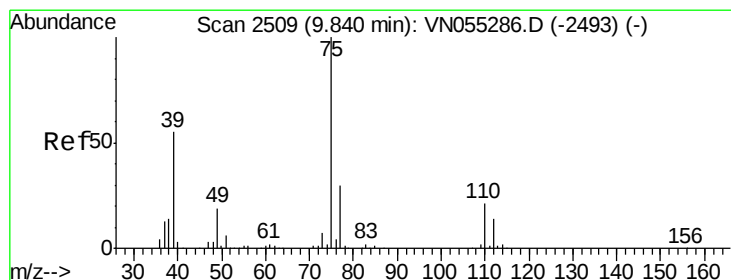
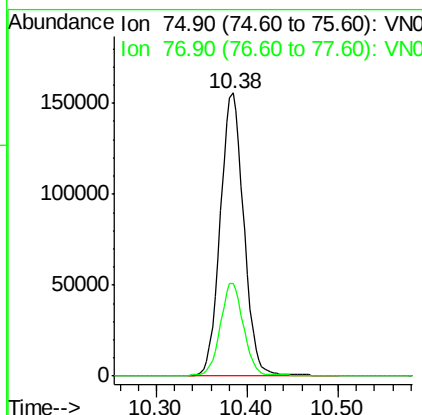
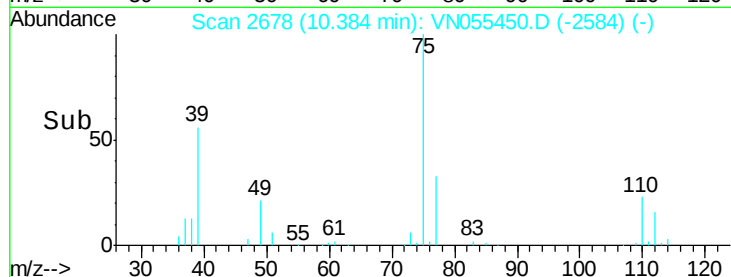
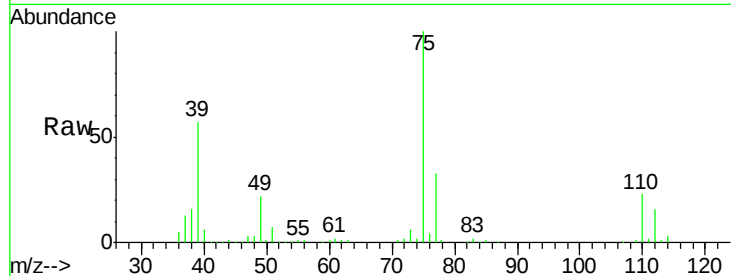
#53
t-1,3-Dichloropropene
Concen: 57.998 ug/l
RT: 10.38 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN055450.D
Acq: 7 May 2019 20:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 280631
Ion Ratio Lower Upper
75 100
77 32.8 24.4 36.6

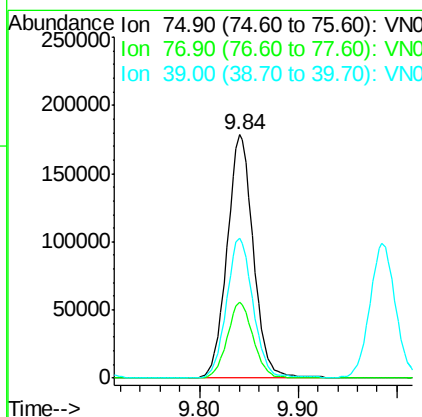
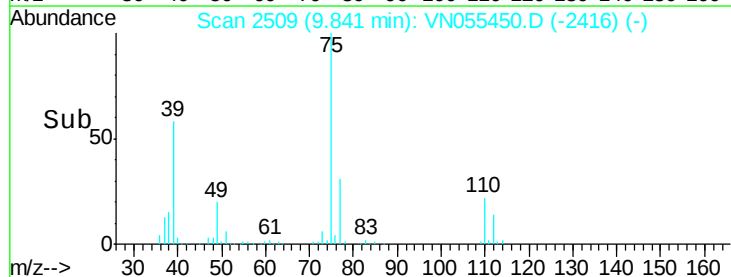
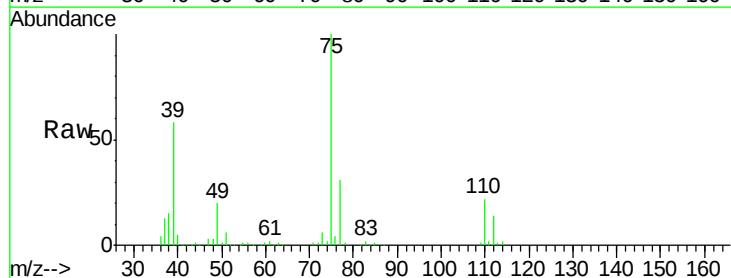
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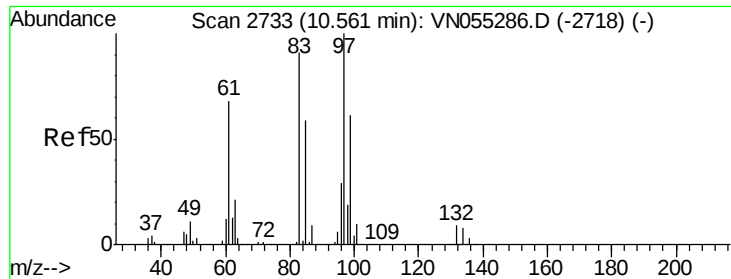
MMDadoda
5/8/2019 10:16:19 AM



#54
cis-1,3-Dichloropropene
Concen: 55.146 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN055450.D
Acq: 7 May 2019 20:57

Tgt Ion: 75 Resp: 332689
Ion Ratio Lower Upper
75 100
77 31.1 24.2 36.2
39 57.6 44.2 66.2





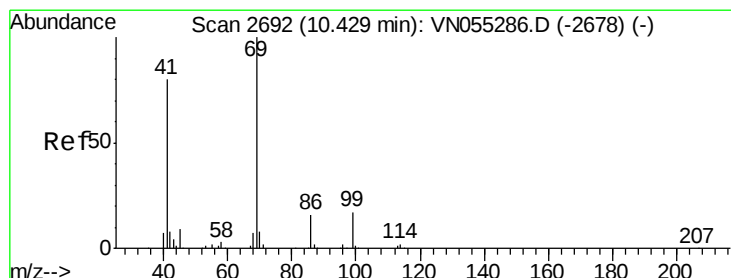
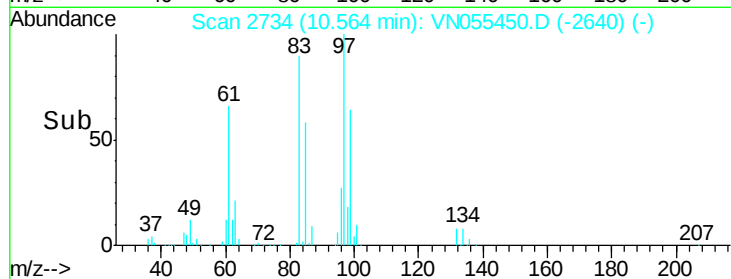
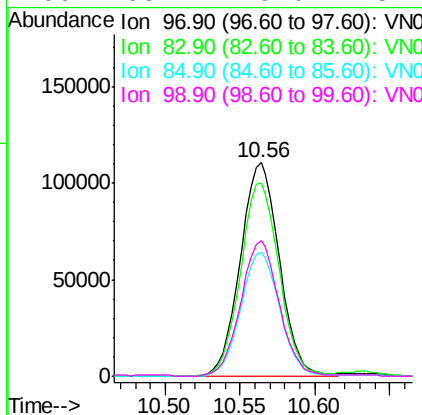
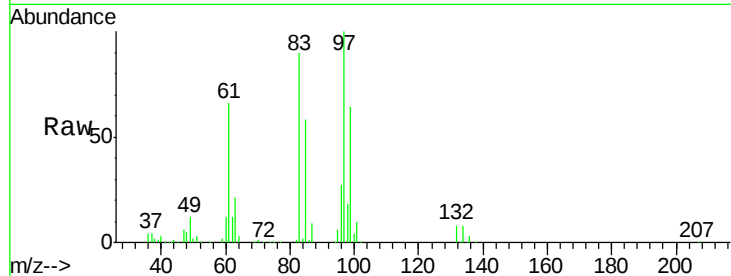
#55
 1,1,2-Trichloroethane
 Concen: 57.106 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN055450.D
 Acq: 7 May 2019 20:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	200521
Ion	Ratio	Lower	Upper
97	100		
83	90.4	72.8	109.2
85	57.9	47.0	70.6
99	63.4	49.0	73.4

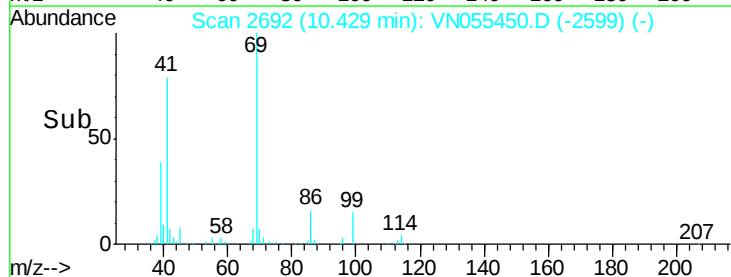
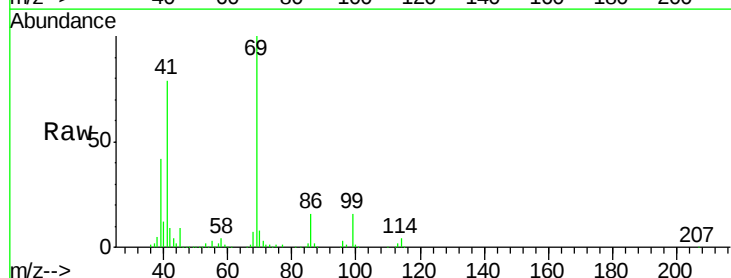
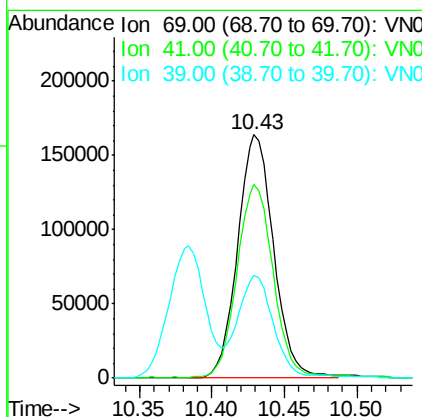
Manual Integrations
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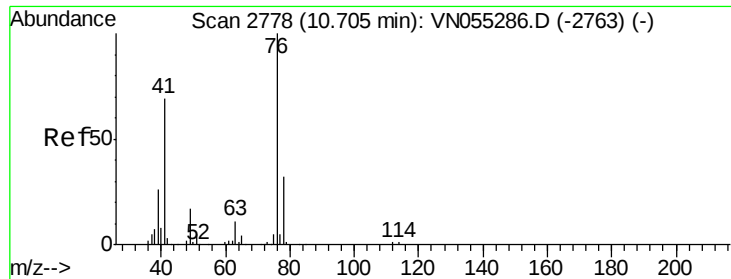
MMDadoda
 5/8/2019 10:16:19 AM



#56
 Ethyl methacrylate
 Concen: 65.475 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN055450.D
 Acq: 7 May 2019 20:57

Tgt Ion:	69	Resp:	282983
Ion	Ratio	Lower	Upper
69	100		
41	79.7	62.7	94.1
39	42.4	32.0	48.0





#57

1,3-Dichloropropane

Concen: 56.282 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN055450.D

Acq: 7 May 2019 20:57

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 76 Resp: 34696

Ion Ratio Lower Upper

76 100

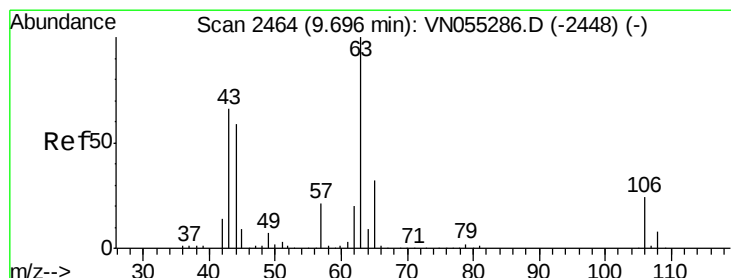
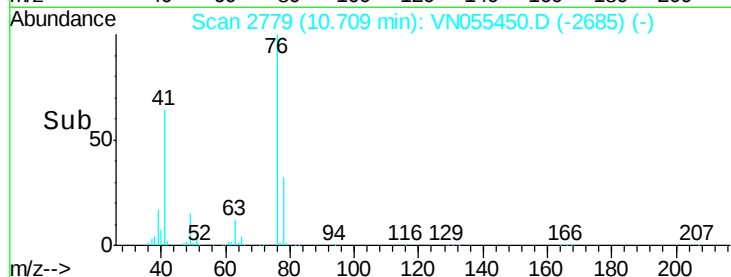
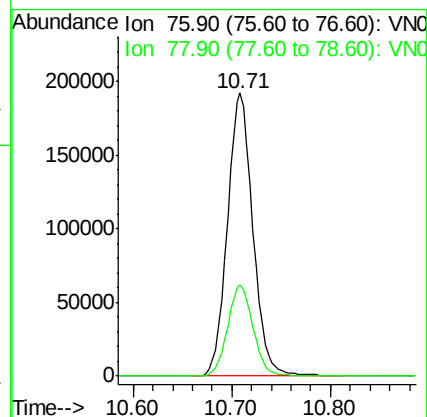
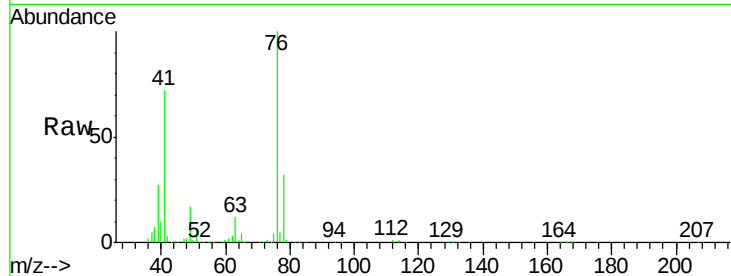
78 32.3 25.6 38.4

Manual Integrations

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MMDadoda

5/8/2019 10:16:19 AM



#58

2-Chloroethyl Vinyl ether

Concen: 292.288 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN055450.D

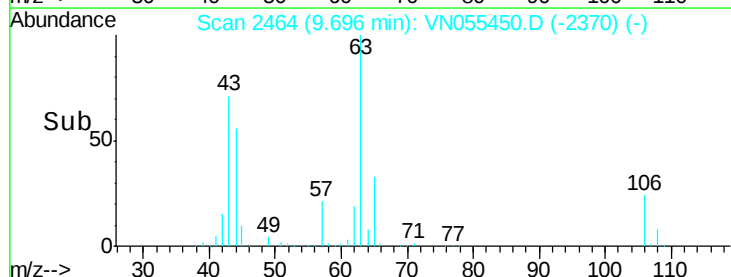
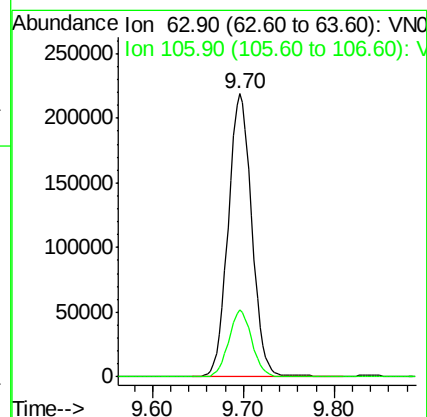
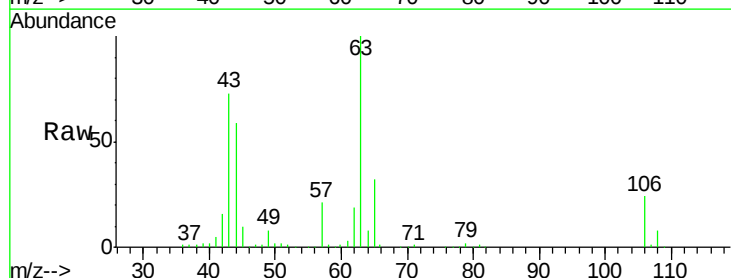
Acq: 7 May 2019 20:57

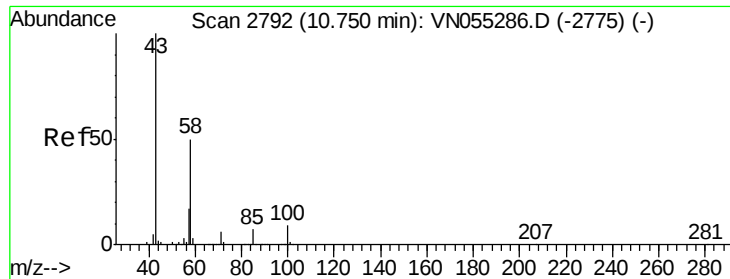
Tgt Ion: 63 Resp: 395014

Ion Ratio Lower Upper

63 100

106 23.0 19.0 28.4





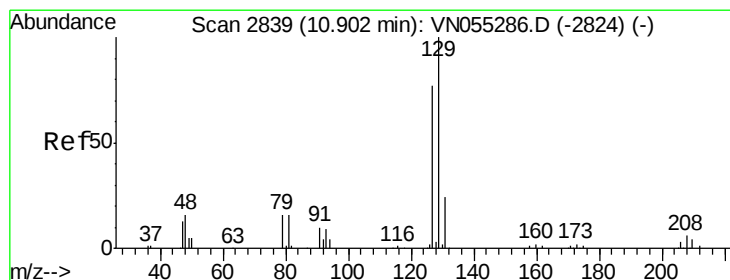
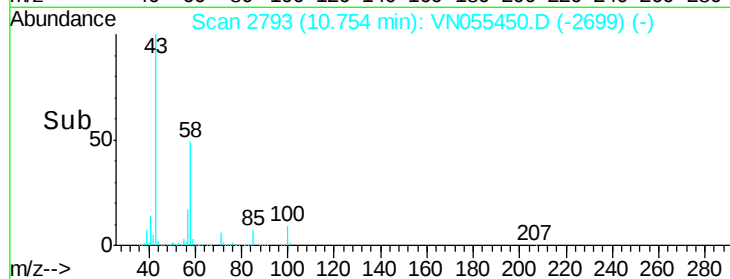
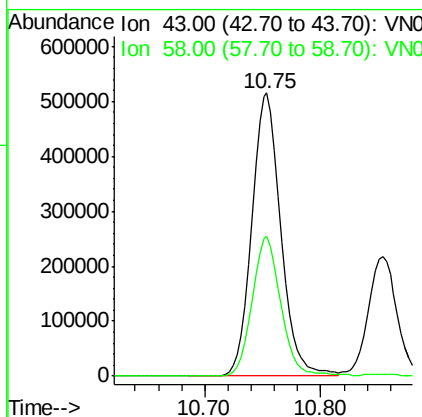
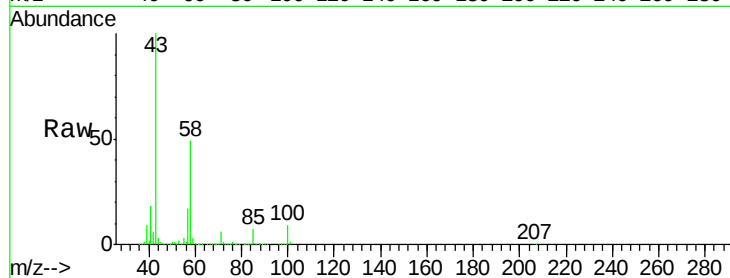
#59
2-Hexanone
Concen: 371.435 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN055450.D
Acq: 7 May 2019 20:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 900966
Ion Ratio Lower Upper
43 100
58 48.9 24.9 74.6

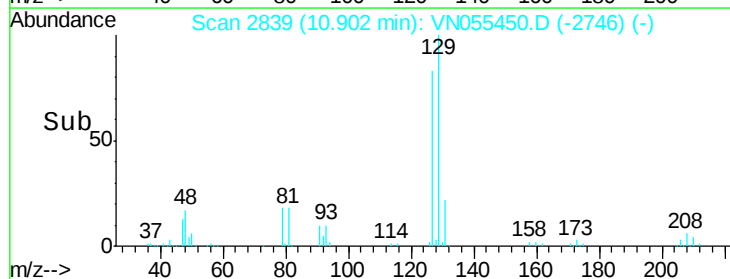
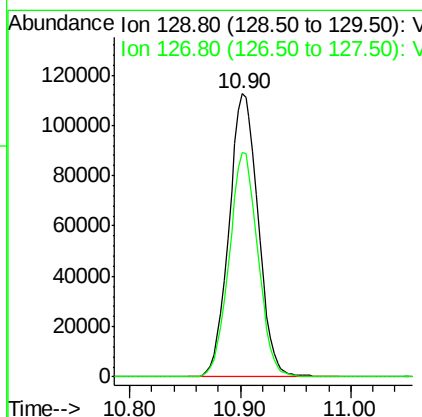
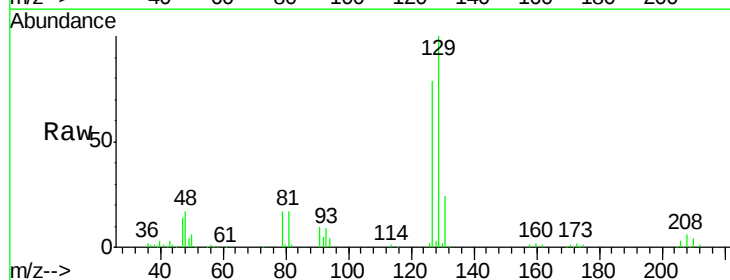
Manual Integrations
APPROVED

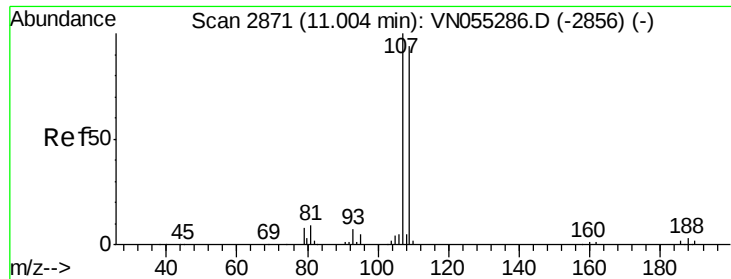
MMDadoda
5/8/2019 10:16:19 AM



#60
Dibromochloromethane
Concen: 57.622 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055450.D
Acq: 7 May 2019 20:57

Tgt Ion: 129 Resp: 206794
Ion Ratio Lower Upper
129 100
127 77.9 38.1 114.5





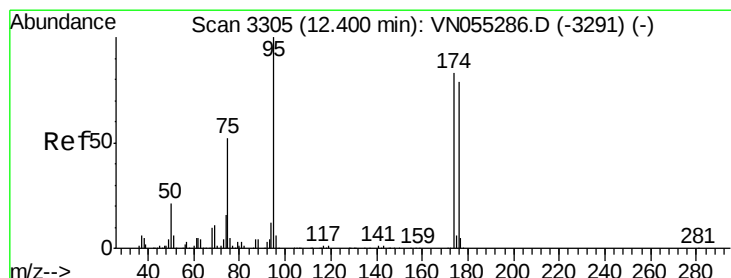
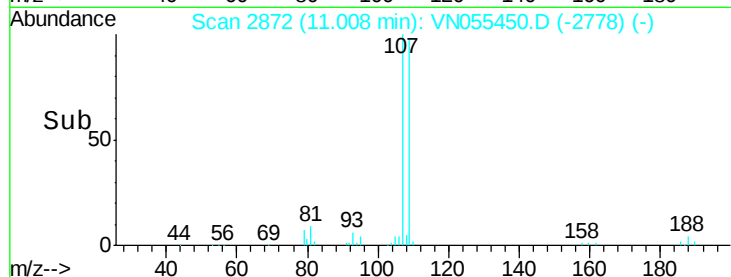
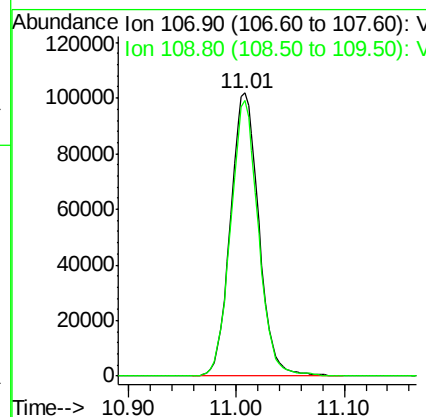
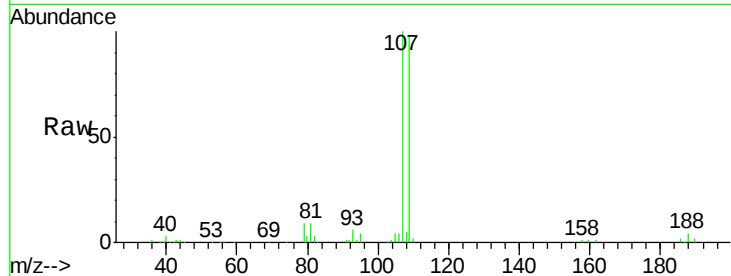
#61
 1,2-Dibromoethane
 Concen: 57.568 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN055450.D
 Acq: 7 May 2019 20:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.1	75.0	112.6

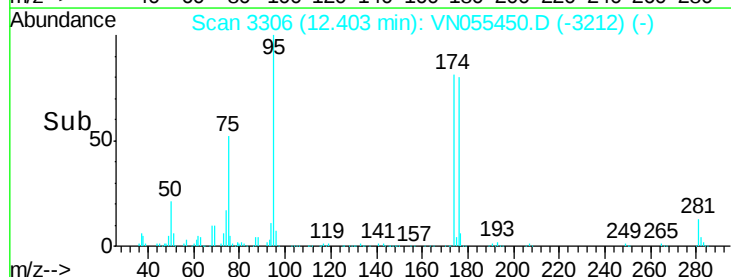
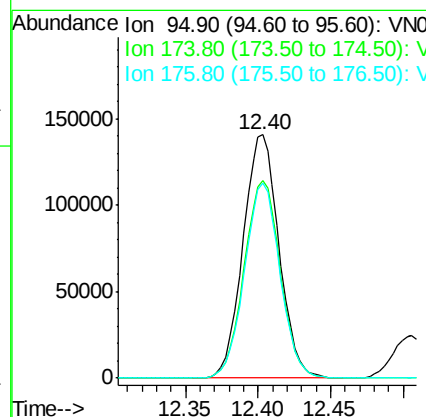
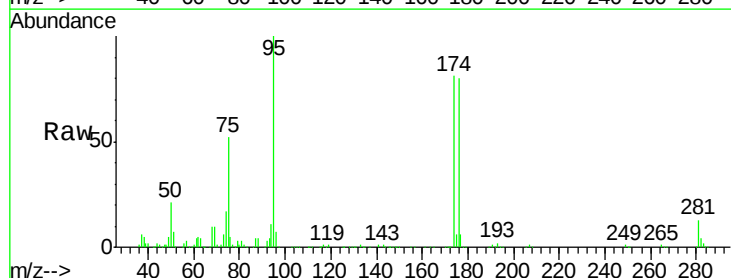
Manual Integrations
 APPROVED

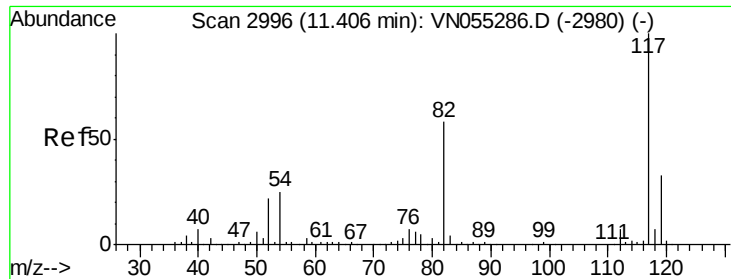
MMDadoda
 5/8/2019 10:16:19 AM



#62
 4-Bromofluorobenzene
 Concen: 56.000 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN055450.D
 Acq: 7 May 2019 20:57

Tgt Ion	Ratio	Lower	Upper
95	100		
174	81.8	0.0	166.6
176	79.4	0.0	157.8





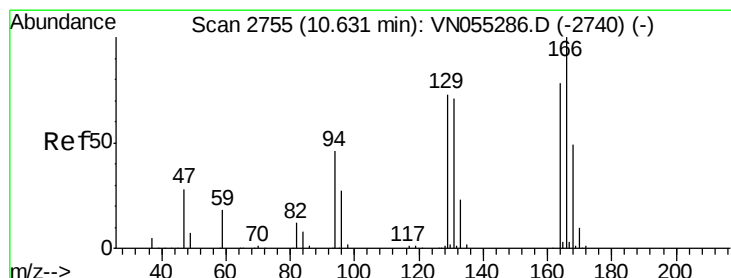
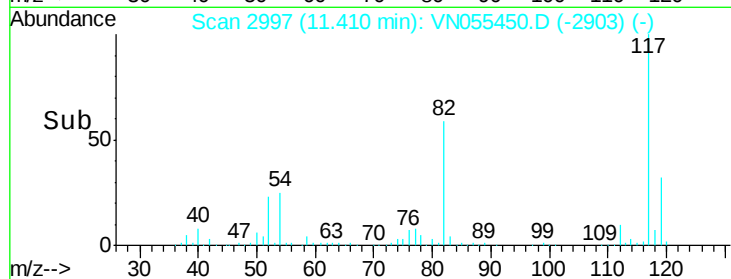
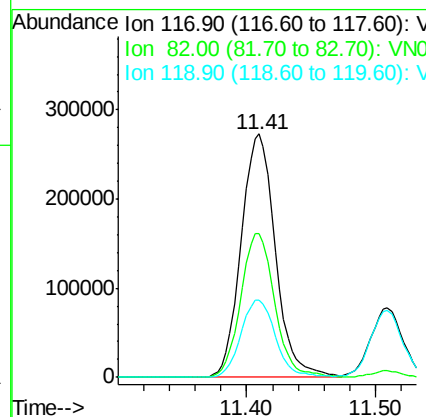
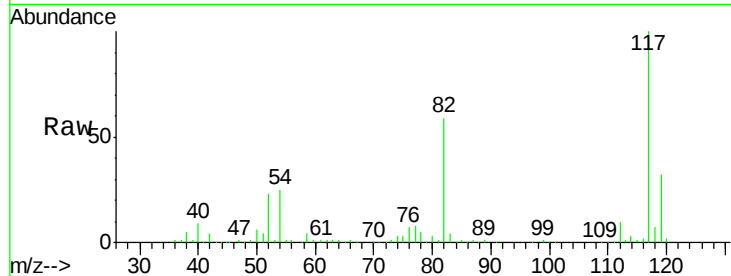
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN055450.D
Acq: 7 May 2019 20:57

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	505517		
82	59.3	46.2	69.4	
119	31.8	26.6	40.0	

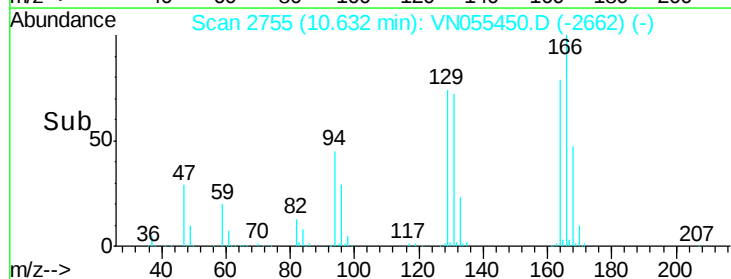
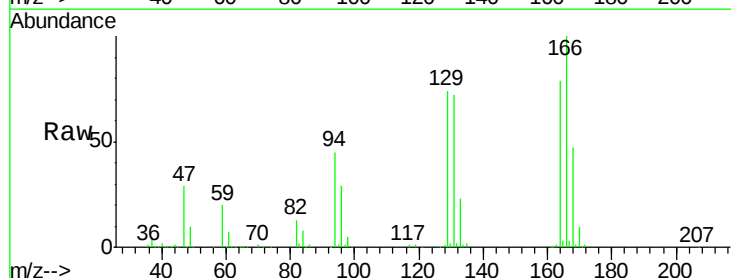
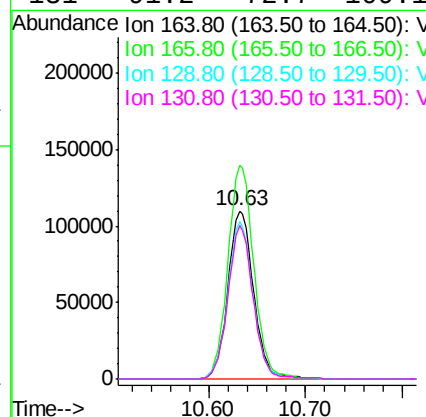
Manual Integrations
APPROVED

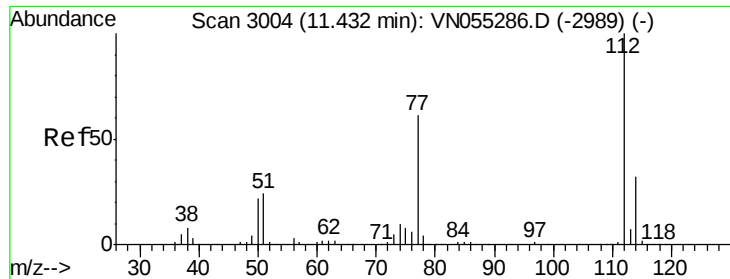
MMDadoda
5/8/2019 10:16:19 AM



#64
Tetrachloroethene
Concen: 48.984 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055450.D
Acq: 7 May 2019 20:57

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	202499		
166	127.3	102.3	153.5	
129	93.8	75.0	112.6	
131	91.2	72.7	109.1	





#65

Chlorobenzene

Concen: 50.734 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN055450.D

Acq: 7 May 2019 20:57

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion:112 Resp: 501430

Ion Ratio Lower Upper

112 100

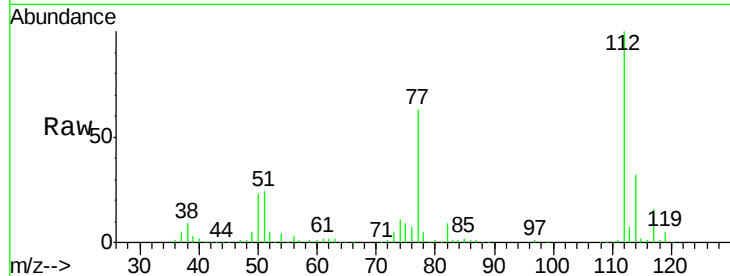
114 32.1 25.3 37.9

Manual Integrations

APPROVED

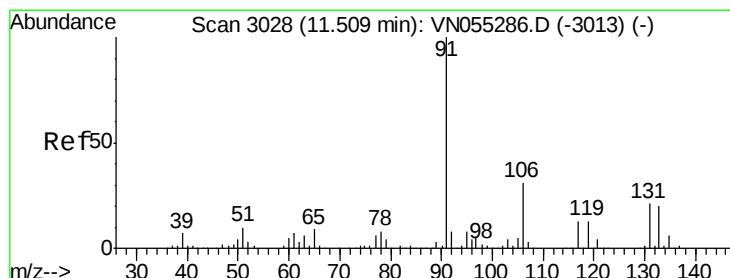
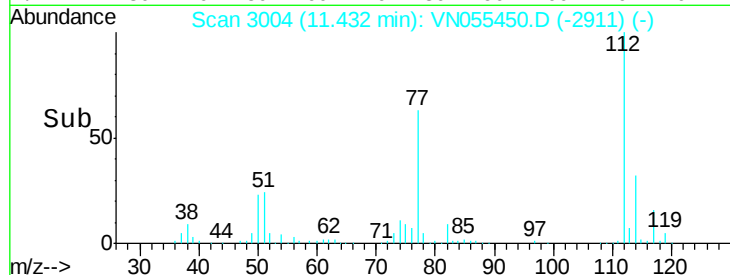
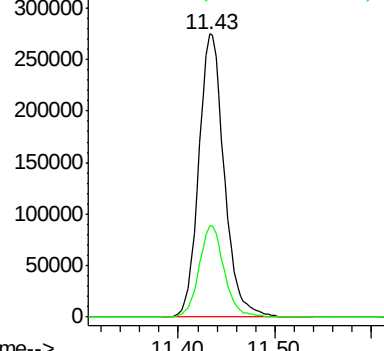
MMDadoda

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 51.233 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN055450.D

Acq: 7 May 2019 20:57

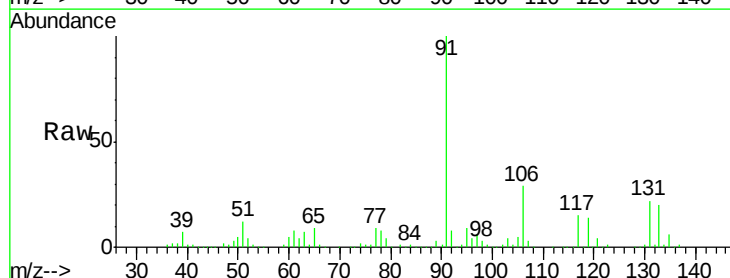
Tgt Ion:131 Resp: 198274

Ion Ratio Lower Upper

131 100

133 94.7 47.5 142.6

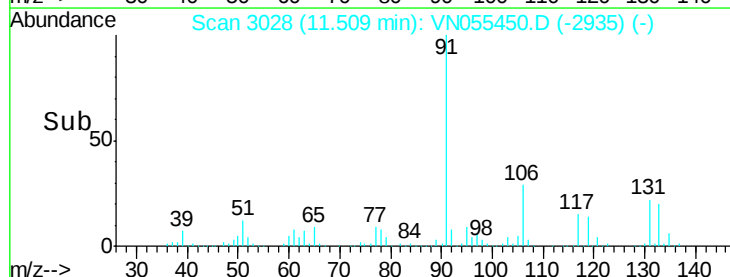
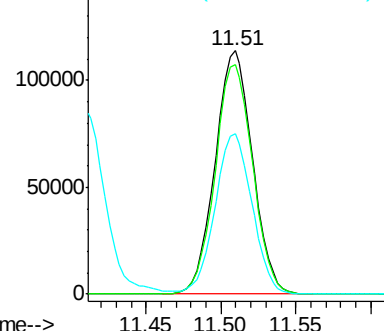
119 65.5 32.7 98.1



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





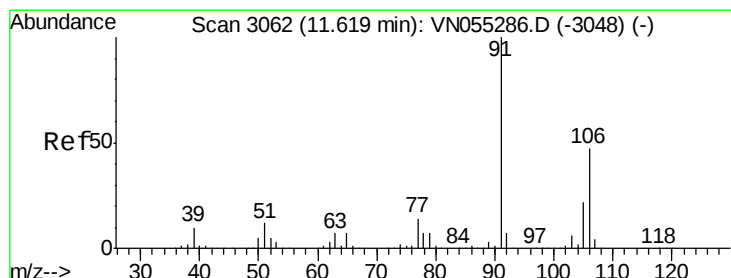
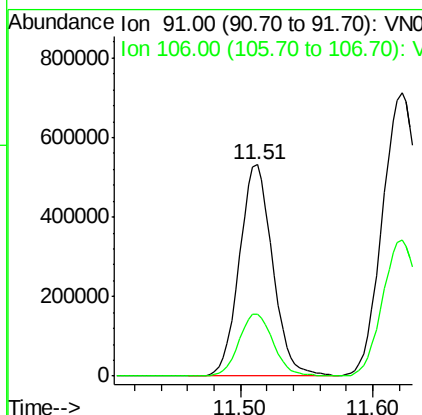
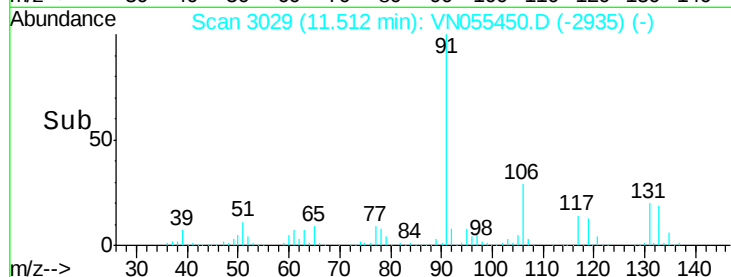
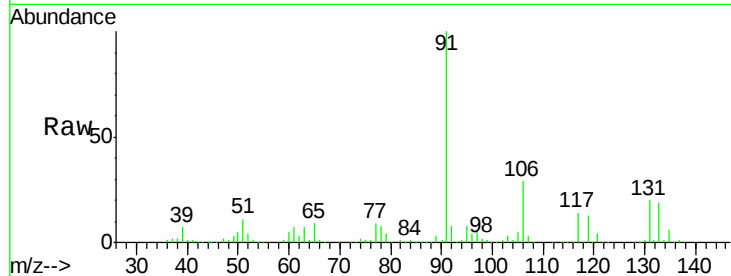
#67
Ethyl Benzene
Concen: 51.998 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN055450.D
Acq: 7 May 2019 20:57

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 91 Resp: 928038
Ion Ratio Lower Upper
91 100
106 29.4 24.6 36.8

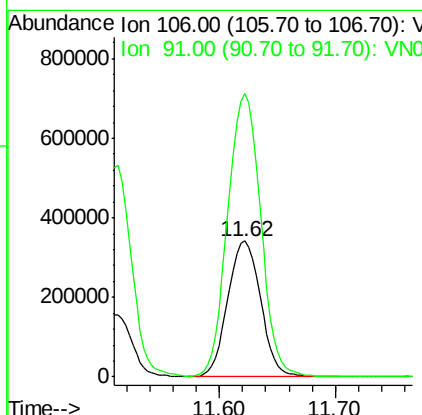
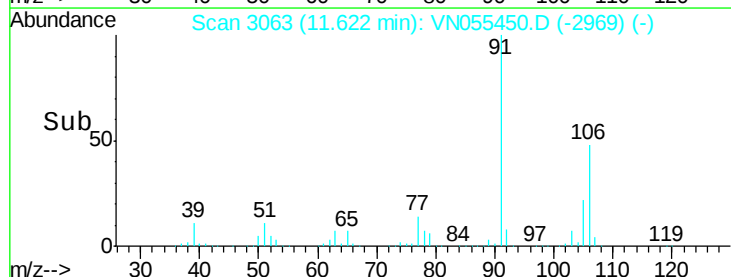
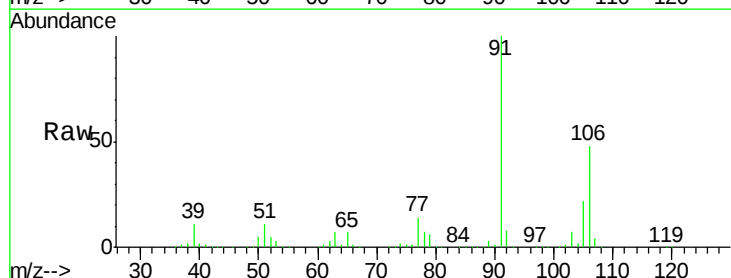
Manual Integrations
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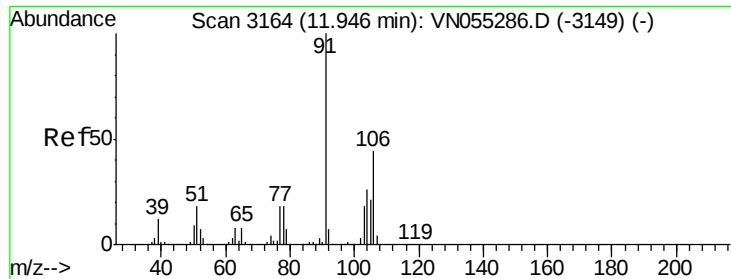
MMDadoda
5/8/2019 10:16:19 AM



#68
m/p-Xylenes
Concen: 105.757 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN055450.D
Acq: 7 May 2019 20:57

Tgt Ion: 106 Resp: 673736
Ion Ratio Lower Upper
106 100
91 209.3 169.5 254.3





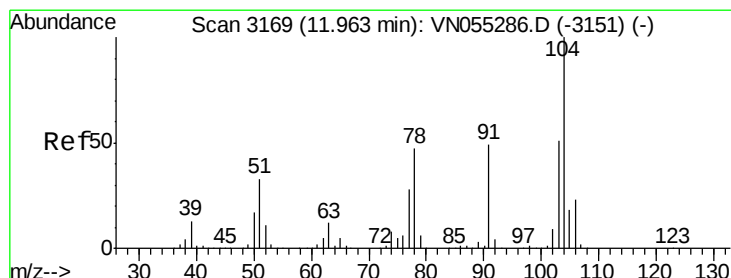
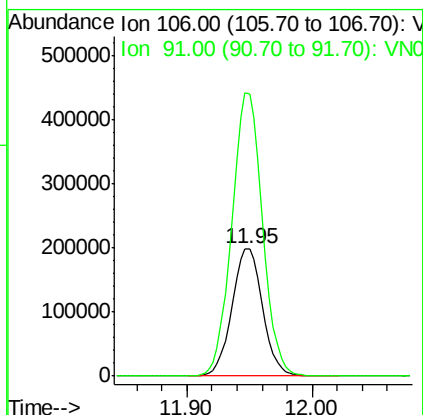
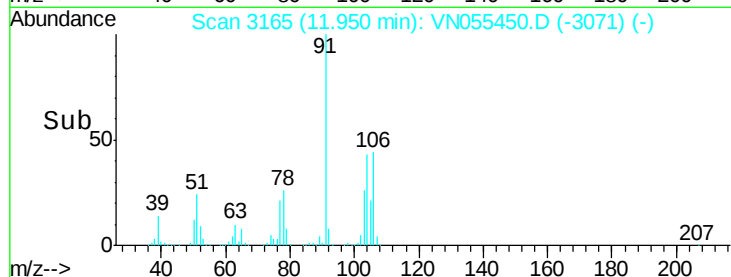
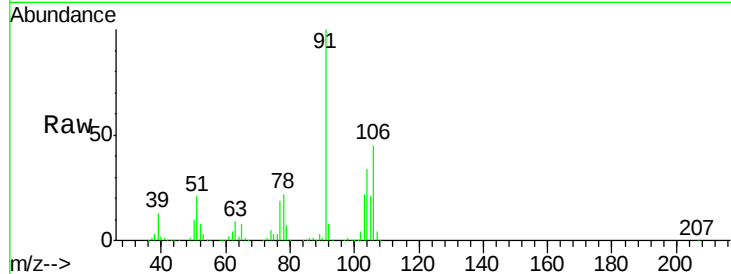
#69
o-Xylene
Concen: 53.364 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN055450.D
Acq: 7 May 2019 20:57

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion:106 Resp: 336957
Ion Ratio Lower Upper
106 100
91 222.2 111.5 334.5

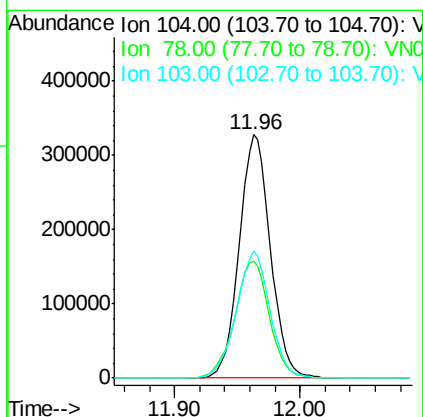
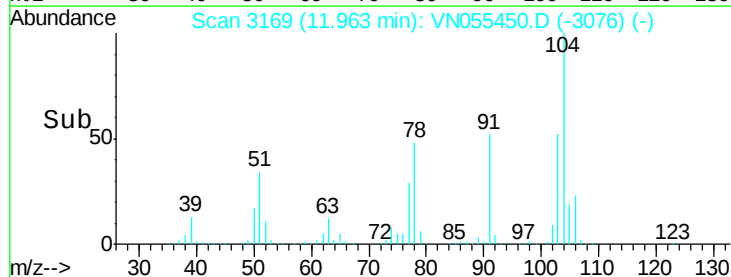
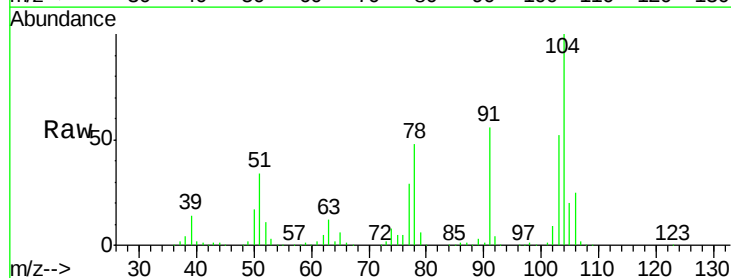
Manual Integrations
APPROVED

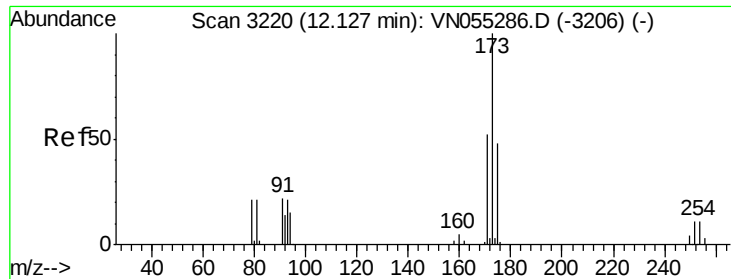
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#70
Styrene
Concen: 58.372 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055450.D
Acq: 7 May 2019 20:57

Tgt Ion:104 Resp: 565918
Ion Ratio Lower Upper
104 100
78 53.3 42.2 63.2
103 56.5 44.6 67.0





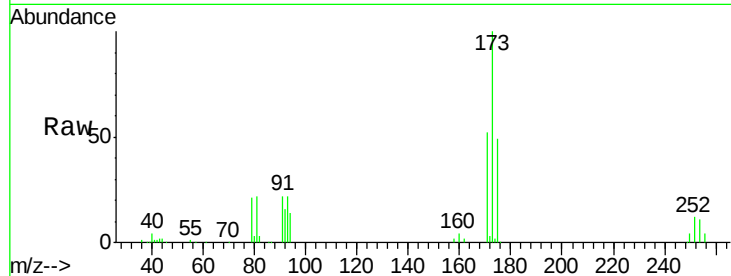
#71
Bromoform
Concen: 62.714 ug/l
RT: 12.13 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN055450.D
Acq: 7 May 2019 20:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.7	23.6	71.0
254	0.0	0.0	0.0

Manual Integrations
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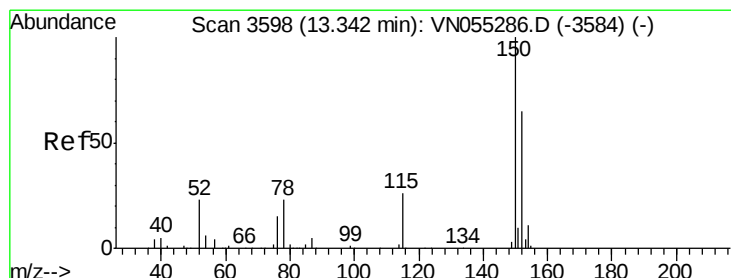
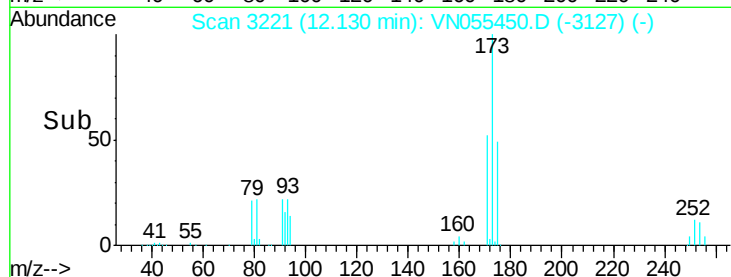
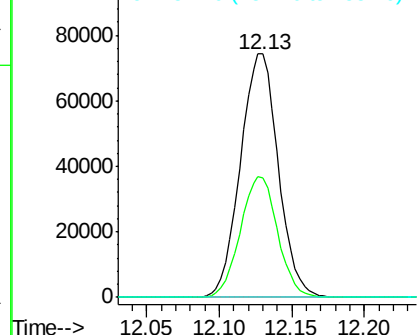


Abundance

Ion 172.70 (172.40 to 173.40): V

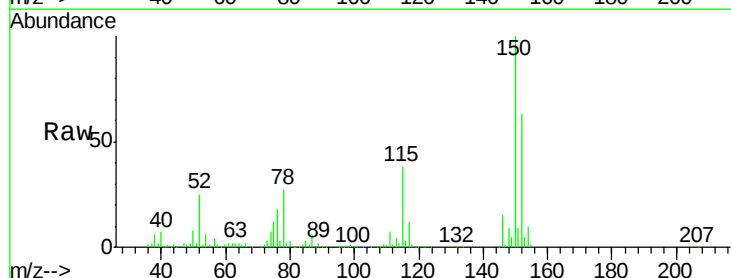
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN055450.D
Acq: 7 May 2019 20:57

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.2	29.0	87.0
150	176.1	0.0	345.6

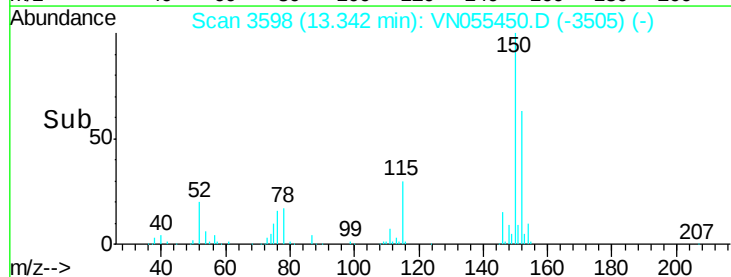
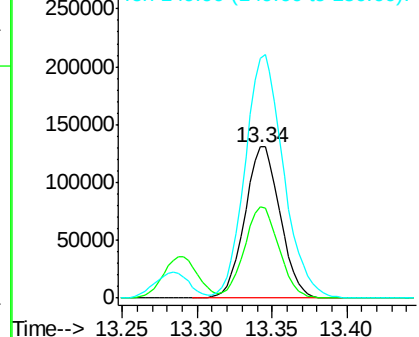


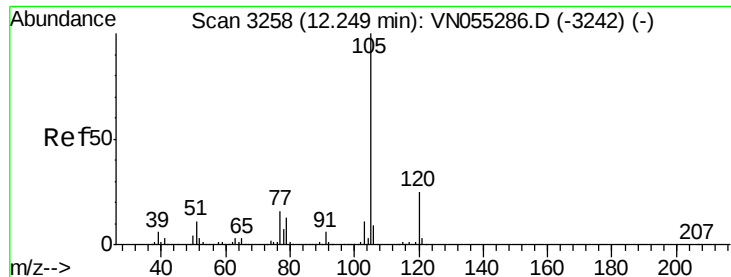
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 53.856 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055450.D

Acq: 7 May 2019 20:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 914161

Ion Ratio Lower Upper

105 100

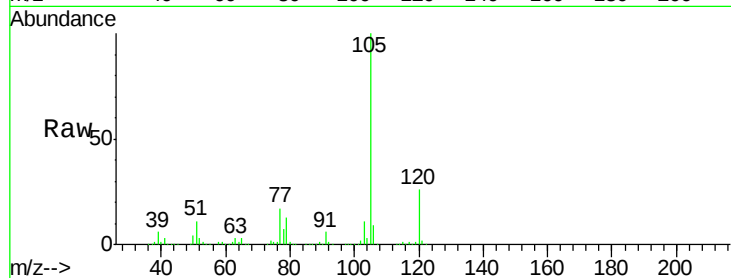
120 25.8 12.9 38.7

Manual Integrations

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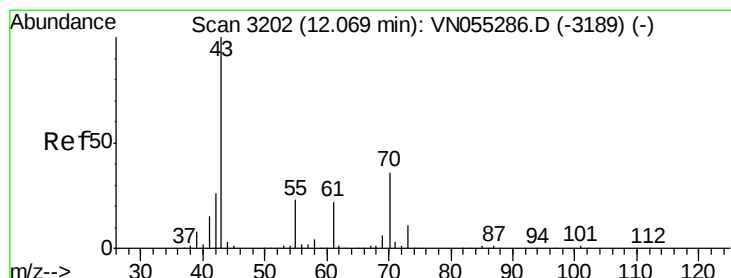
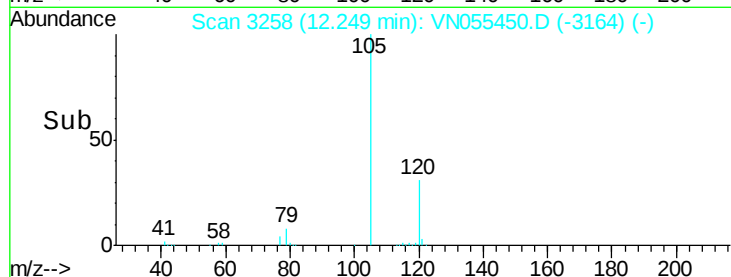
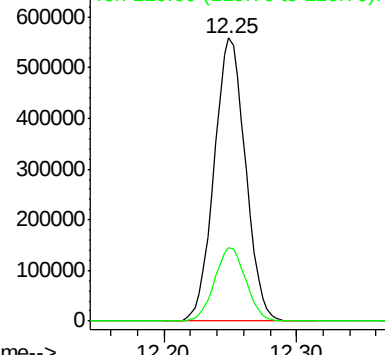
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 67.433 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055450.D

Acq: 7 May 2019 20:57

Tgt Ion: 43 Resp: 370859

Ion Ratio Lower Upper

43 100

70 34.6 27.9 41.9

55 22.3 18.2 27.2

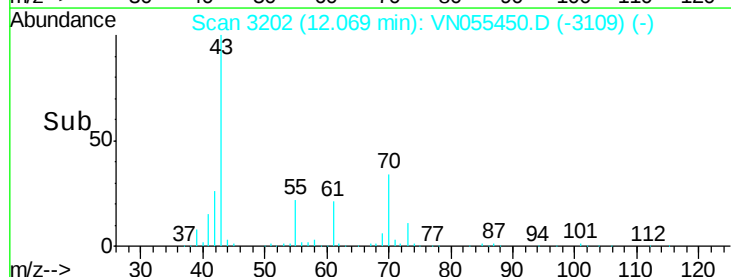
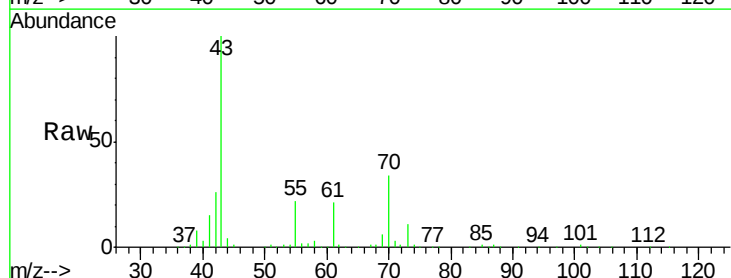
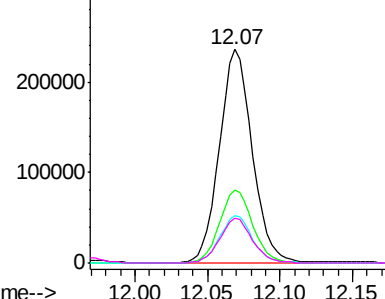
61 21.0 16.9 25.3

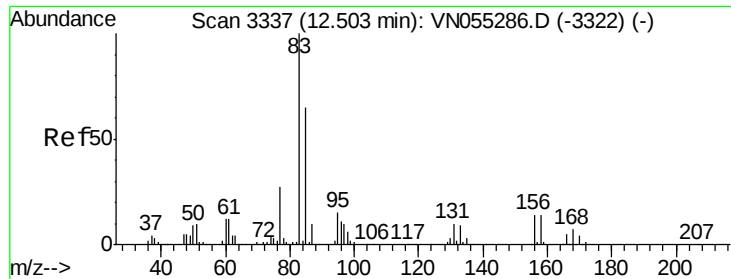
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 62.990 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055450.D

Acq: 7 May 2019 20:57

Instrument :

MSVOA_N

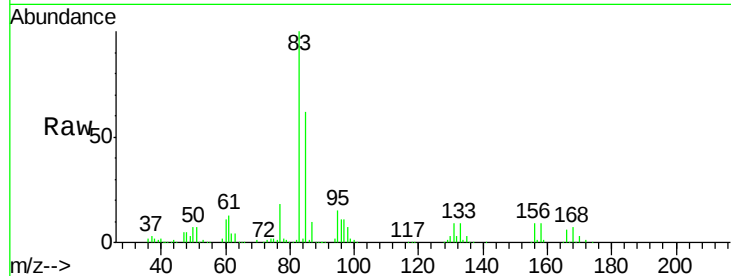
ClientSampled :

VSTDCCC050

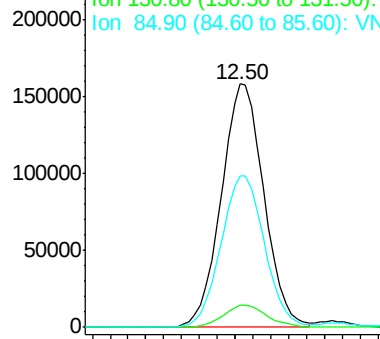
Tot Ion:	83	Resp:	263942
Ion Ratio	Lower	Upper	
83	100		
131	9.4	5.1	15.2
85	63.7	32.3	96.8

Manual Integrations
APPROVED

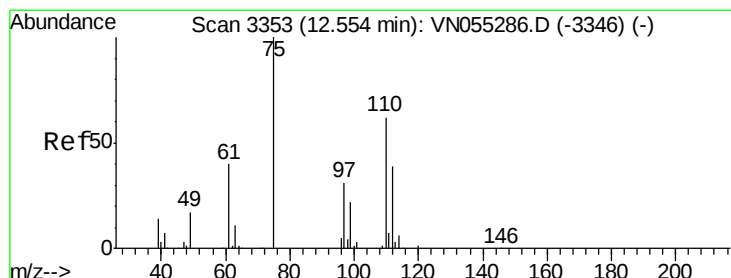
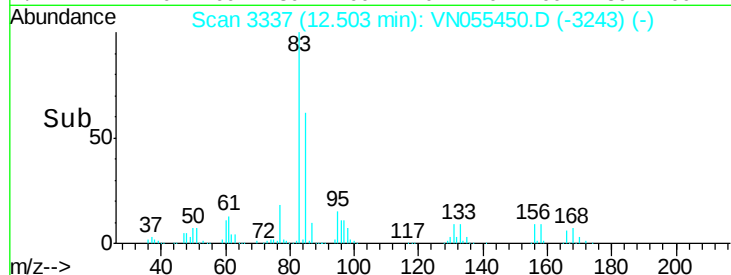
MMDadoda
5/8/2019 10:16:19 AM



Abundance Ion 82.90 (82.60 to 83.60): VN055450.D (-3243) (-)



Time-->



#76

1,2,3-Trichloropropane

Concen: 56.983 ug/l m

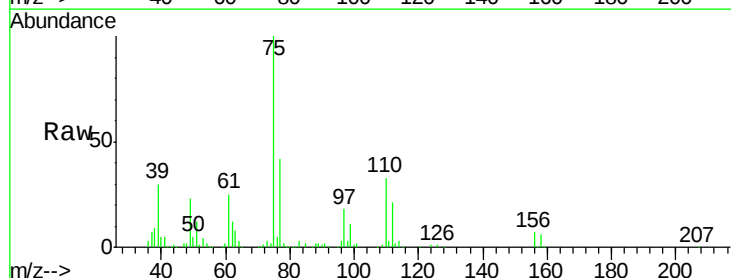
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

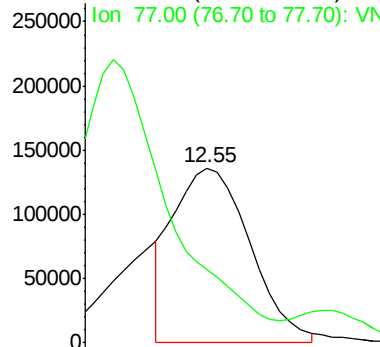
Lab File: VN055450.D

Acq: 7 May 2019 20:57

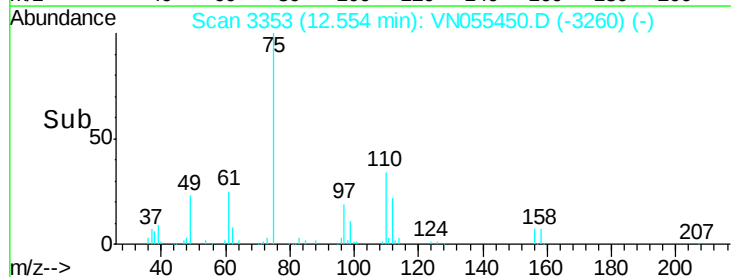
Tgt Ion:	75	Resp:	225574
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN055450.D (-3260) (-)



Time-->





#77

Bromobenzene

Concen: 53.505 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055450.D

Acq: 7 May 2019 20:57

Instrument :

MSVOA_N

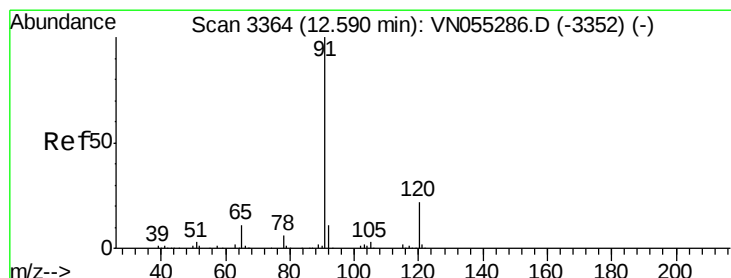
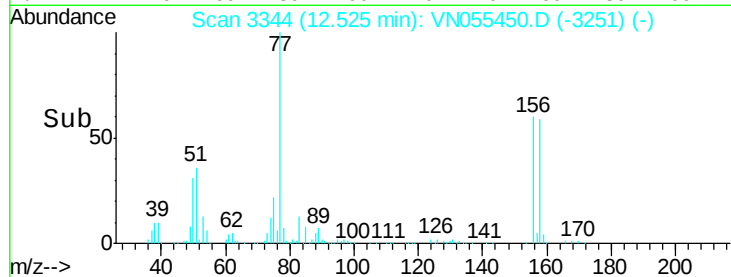
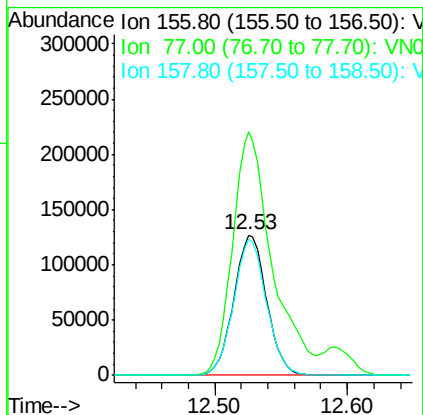
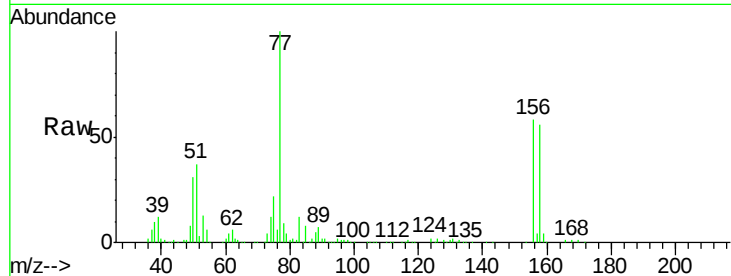
ClientSampled :

VSTDCCC050

Tot Ion:	156	Resp:	218092
Ion Ratio	Lower	Upper	
156	100		
77	209.2	99.6	298.8
158	97.0	49.3	147.8

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#78

n-propylbenzene

Concen: 46.363 ug/l

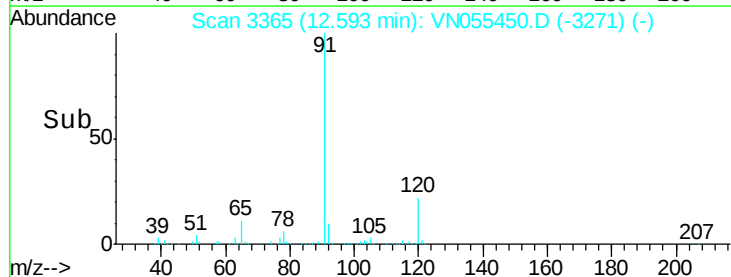
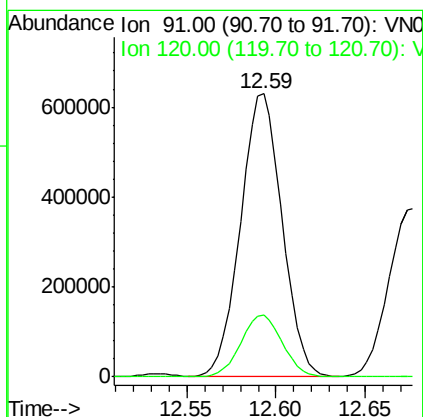
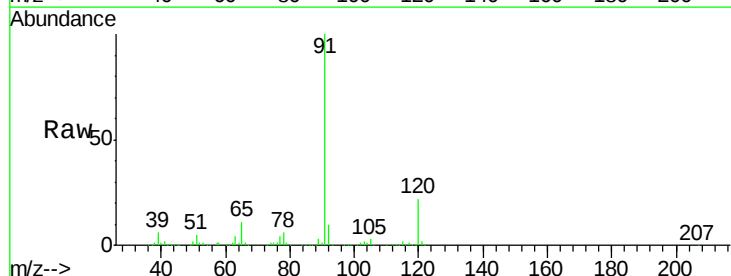
RT: 12.59 min Scan# 3365

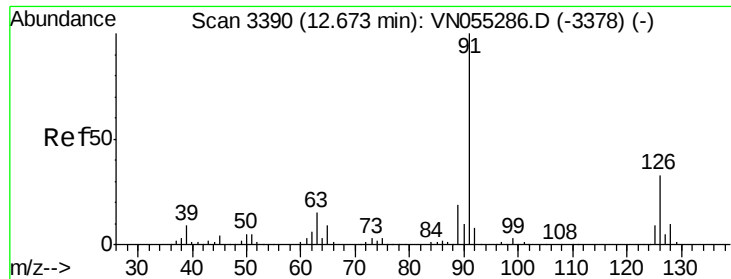
Delta R.T. 0.00 min

Lab File: VN055450.D

Acq: 7 May 2019 20:57

Tgt Ion:	91	Resp:	1020573
Ion Ratio	Lower	Upper	
91	100		
120	21.9	11.0	33.0





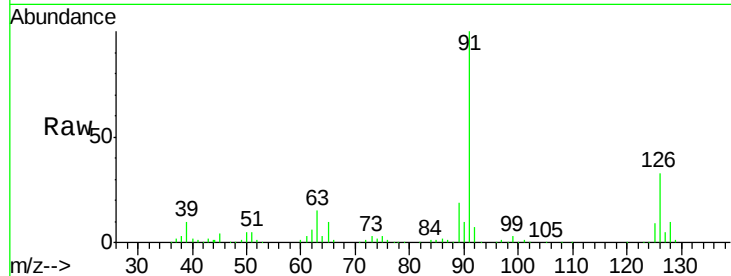
#79
 2-Chlorotoluene
 Concen: 54.175 ug/l
 RT: 12.68 min Scan# 3391
 Delta R.T. 0.00 min
 Lab File: VN055450.D
 Acq: 7 May 2019 20:57

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

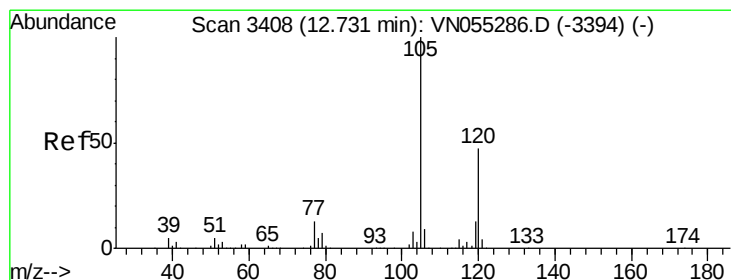
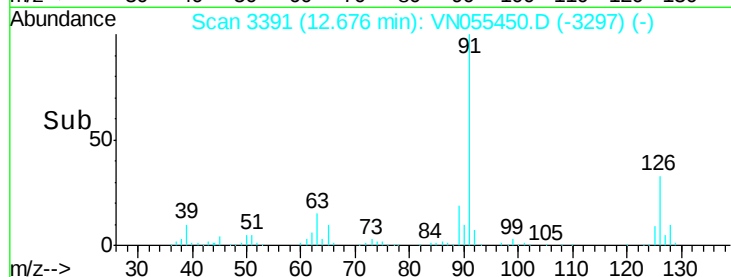
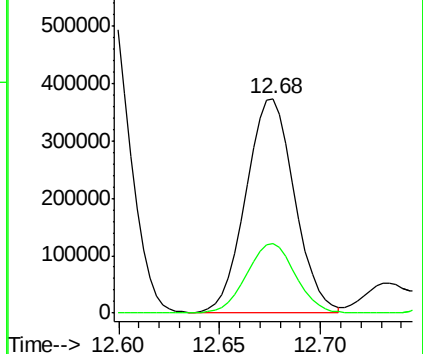
Tot Ion: 91 Resp: 626593
 Ion Ratio Lower Upper
 91 100
 126 32.9 16.6 49.7

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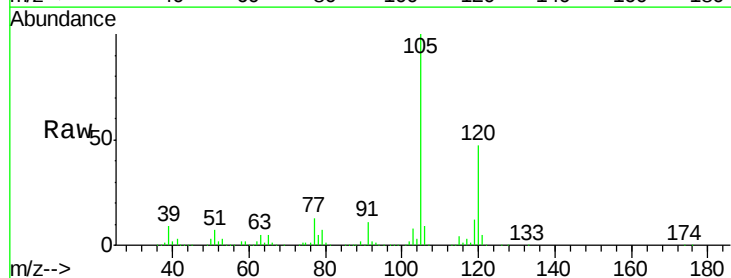


Abundance Ion 91.00 (90.70 to 91.70): VN055286.D (-3378) (-)
 Ion 125.90 (125.60 to 126.60): VN055286.D (-3378) (-)

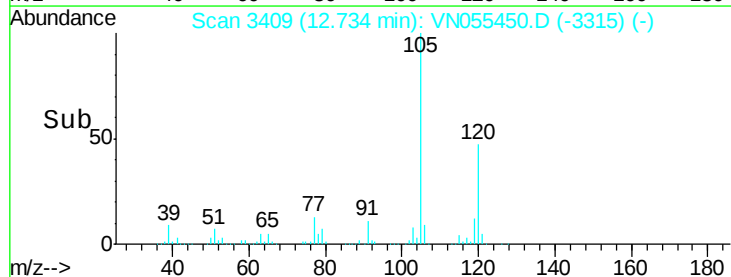
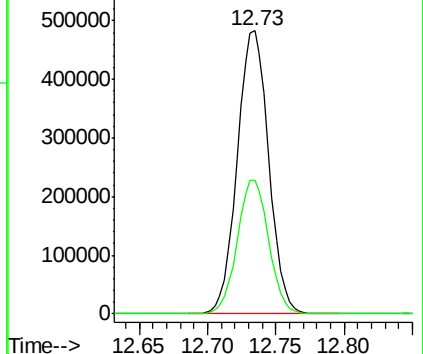


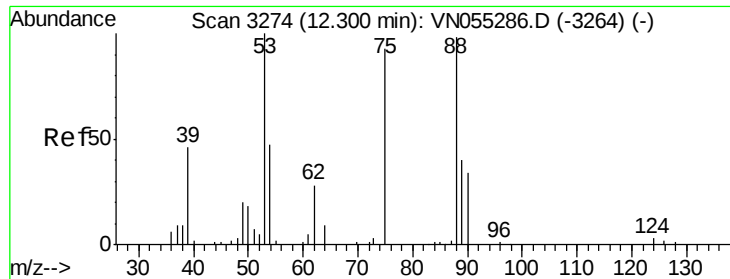
#80
 1,3,5-Trimethylbenzene
 Concen: 45.803 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN055450.D
 Acq: 7 May 2019 20:57

Tgt Ion: 105 Resp: 769494
 Ion Ratio Lower Upper
 105 100
 120 47.4 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): VN055286.D (-3394) (-)
 Ion 120.00 (119.70 to 120.70): VN055286.D (-3394) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 56.549 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055450.D

Acq: 7 May 2019 20:57

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 75 Resp: 63946

Ion Ratio Lower Upper

75 100

53 113.6 86.3 129.5

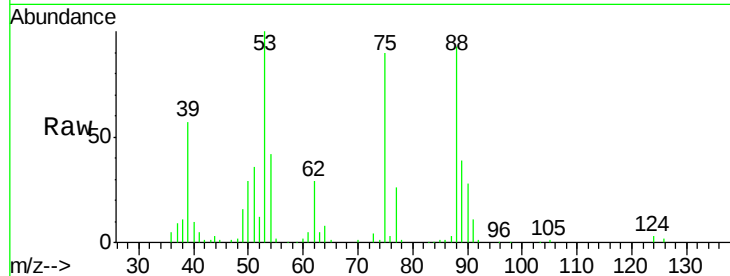
89 44.7 34.6 51.8

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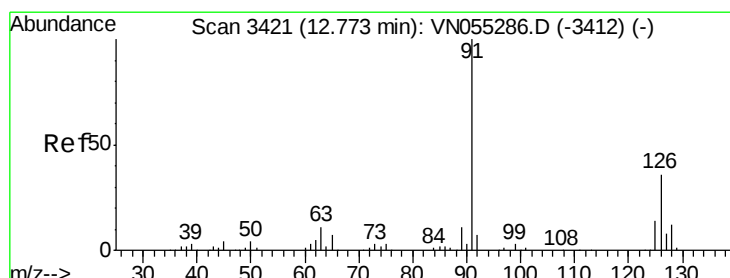
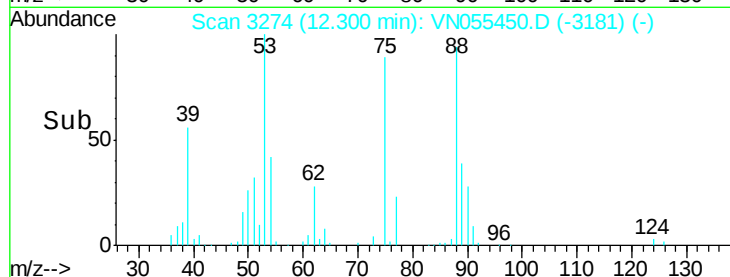
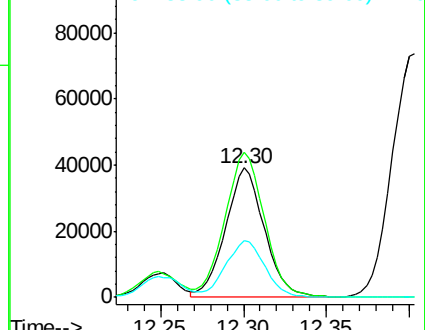
5/8/2019 10:16:19 AM



Abundance Ion 74.90 (74.60 to 75.60): VN055450.D (-3181) (-)

Ion 53.00 (52.70 to 53.70): VN055450.D (-3181) (-)

Ion 88.90 (88.60 to 89.60): VN055450.D (-3181) (-)



#82

4-Chlorotoluene

Concen: 47.637 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN055450.D

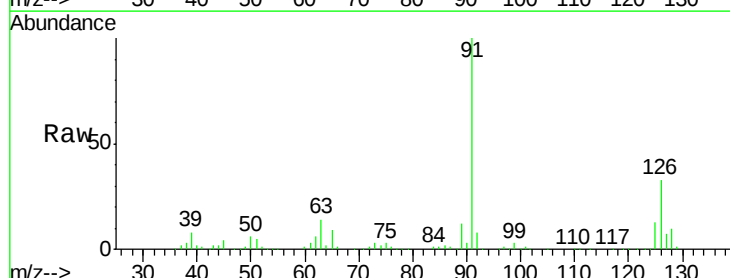
Acq: 7 May 2019 20:57

Tgt Ion: 91 Resp: 609698

Ion Ratio Lower Upper

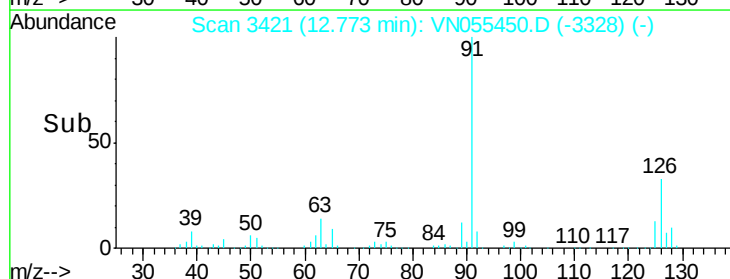
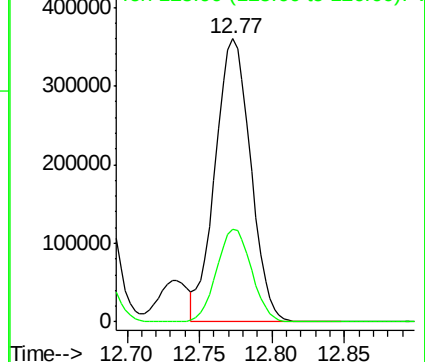
91 100

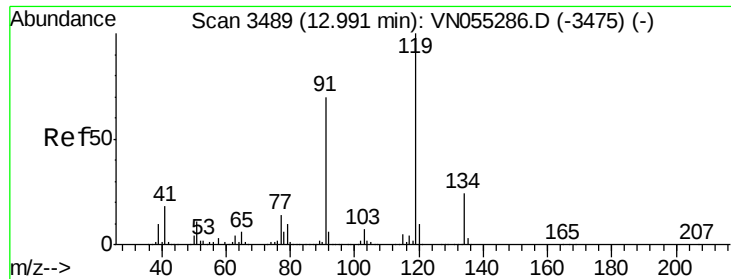
126 32.2 16.6 49.7



Abundance Ion 91.00 (90.70 to 91.70): VN055450.D (-3328) (-)

Ion 125.90 (125.60 to 126.60): VN055450.D (-3328) (-)





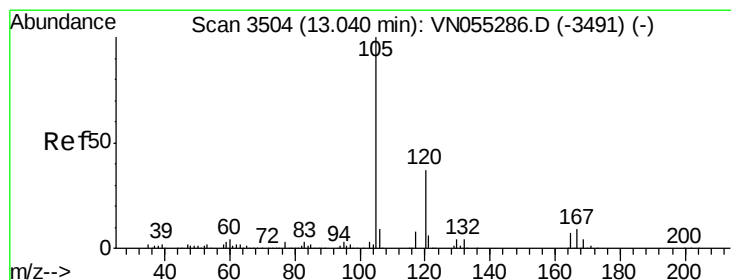
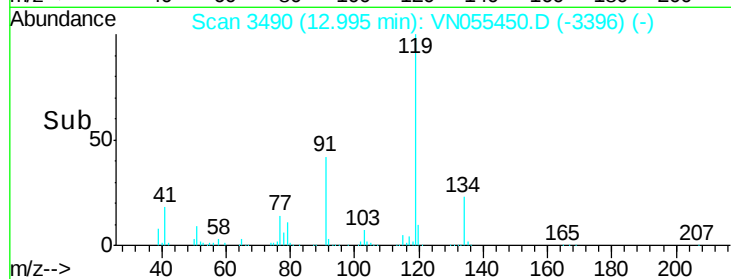
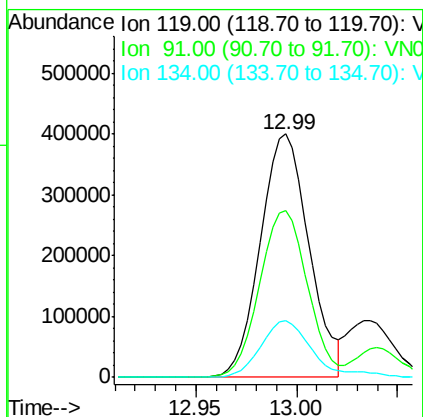
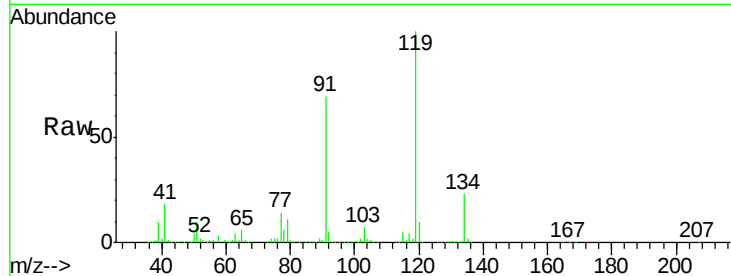
#83
tert-Butylbenzene
Concen: 57.084 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN055450.D
Acq: 7 May 2019 20:57

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.7	34.3	102.9
134	24.8	13.1	39.3

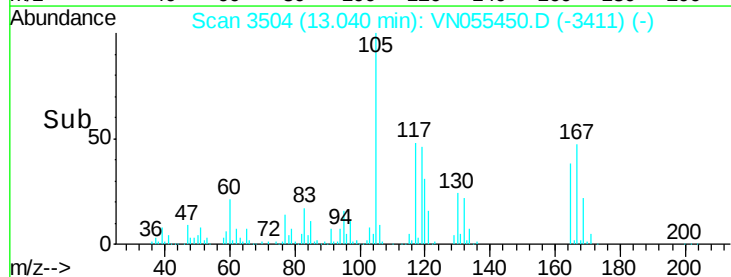
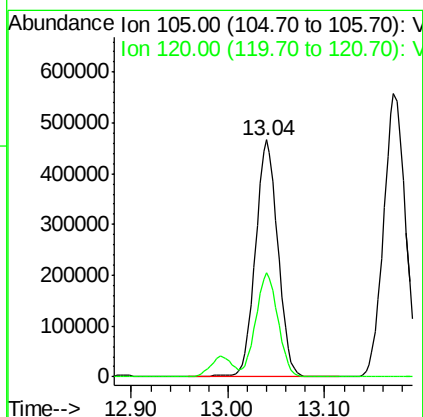
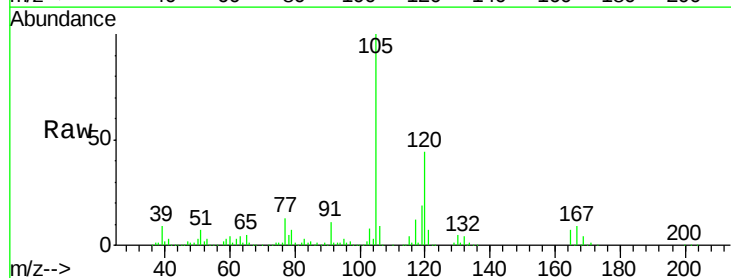
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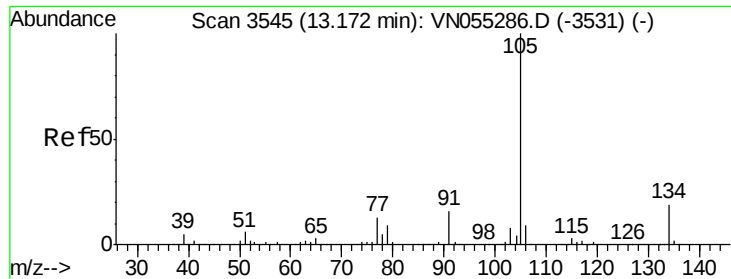
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#84
1,2,4-Trimethylbenzene
Concen: 49.843 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN055450.D
Acq: 7 May 2019 20:57

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.6	22.1	66.5





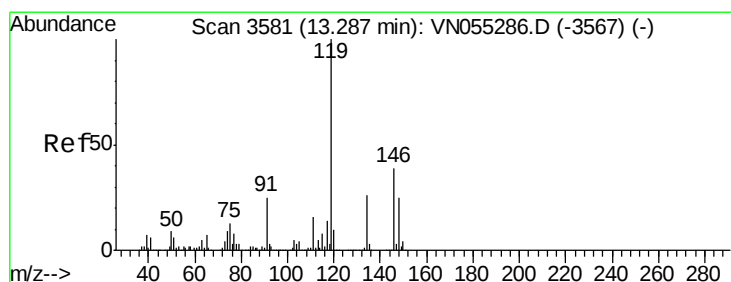
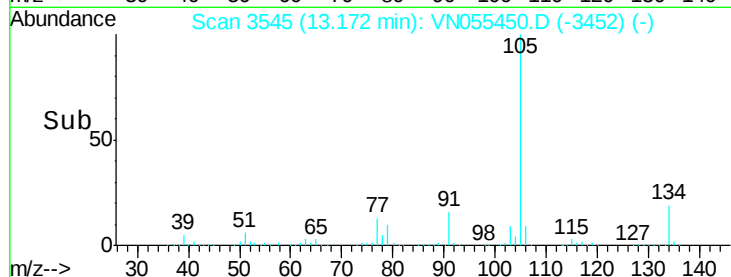
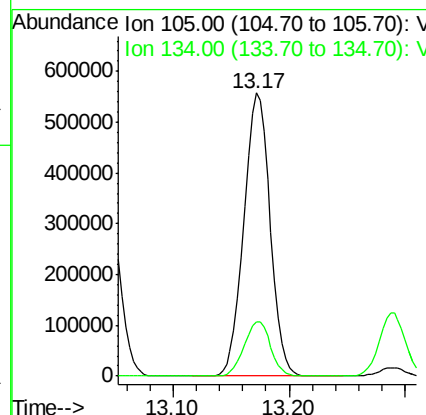
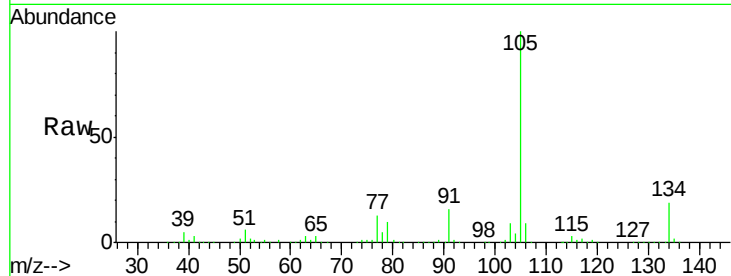
#85
 sec-Butylbenzene
 Concen: 47.955 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN055450.D
 Acq: 7 May 2019 20:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:105 Resp: 875668
 Ion Ratio Lower Upper
 105 100
 134 19.5 9.6 28.8

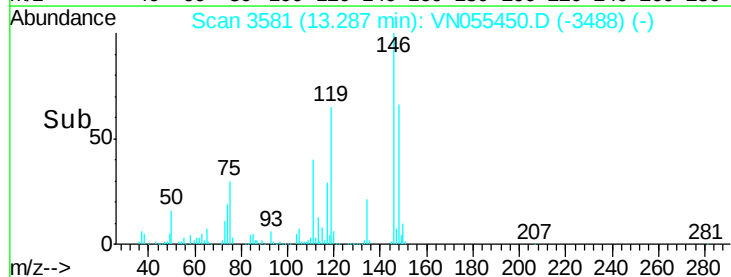
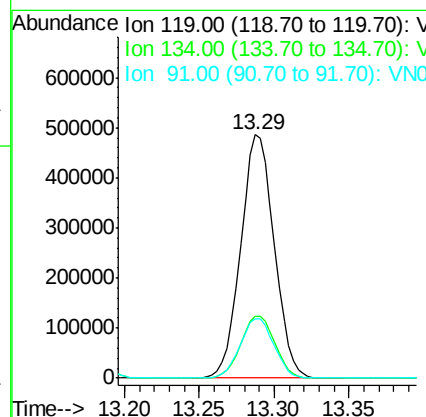
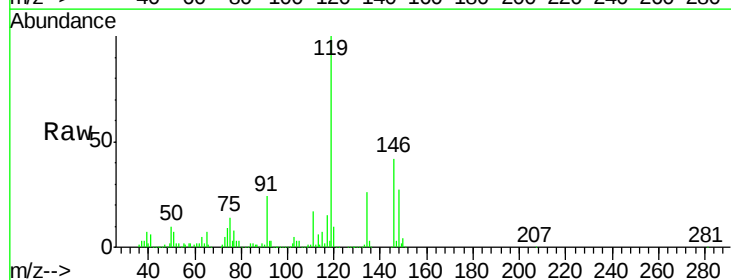
Manual Integrations
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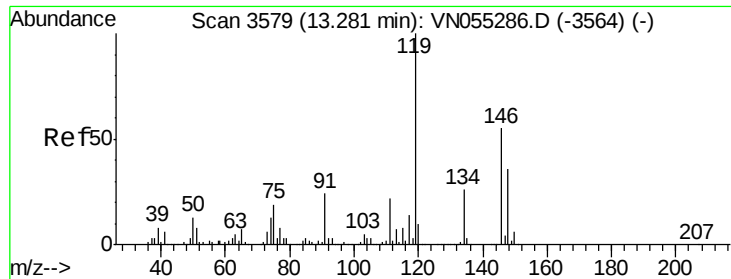
MMDadoda
 5/8/2019 10:16:19 AM



#86
 p-Isopropyltoluene
 Concen: 50.243 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN055450.D
 Acq: 7 May 2019 20:57

Tgt Ion:119 Resp: 754060
 Ion Ratio Lower Upper
 119 100
 134 26.0 13.0 38.9
 91 25.0 12.2 36.6





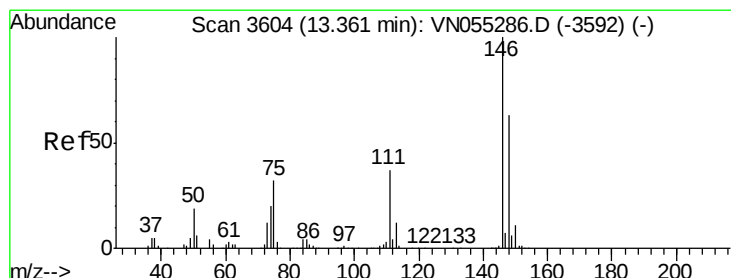
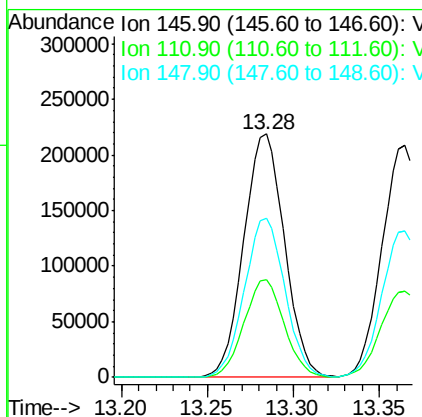
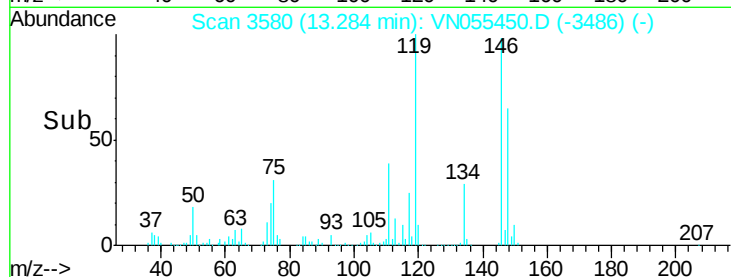
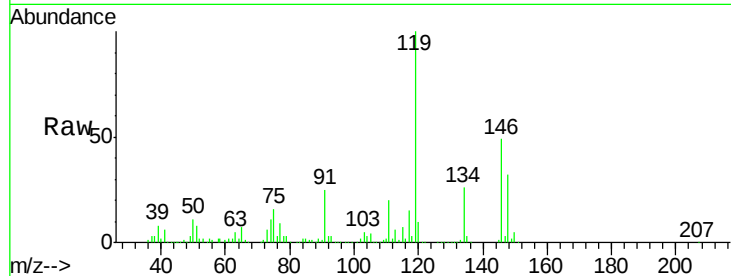
#87
 1,3-Dichlorobenzene
 Concen: 50.379 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN055450.D
 Acq: 7 May 2019 20:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	361261		
111	39.5	20.3	60.8	
148	64.7	32.5	97.5	

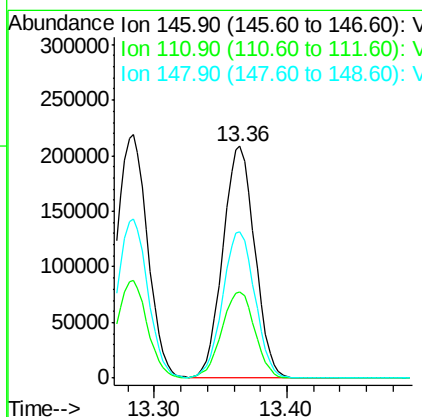
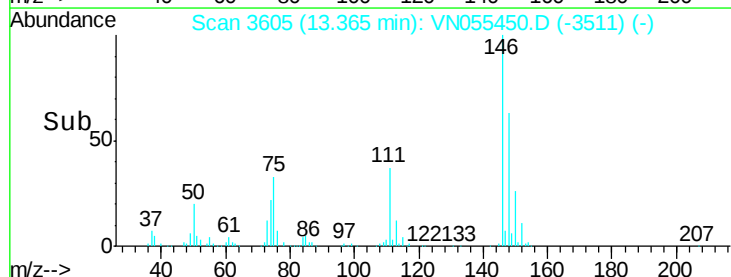
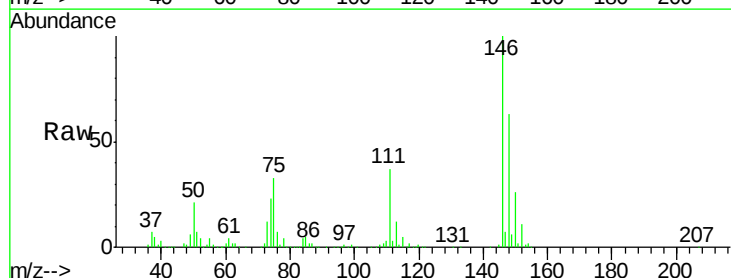
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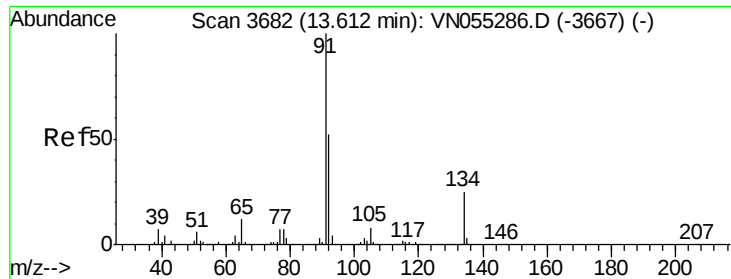
MMDadoda
 5/8/2019 10:16:19 AM



#88
 1,4-Dichlorobenzene
 Concen: 51.744 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN055450.D
 Acq: 7 May 2019 20:57

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	349424		
111	38.5	19.5	58.5	
148	63.8	32.5	97.4	





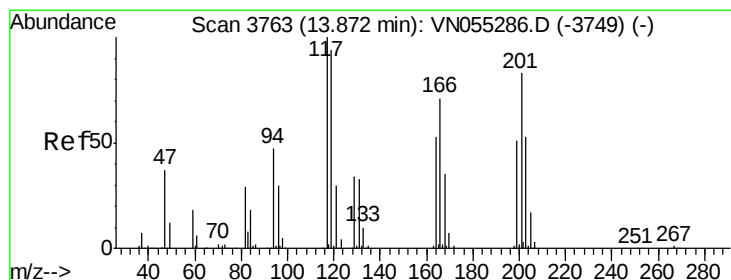
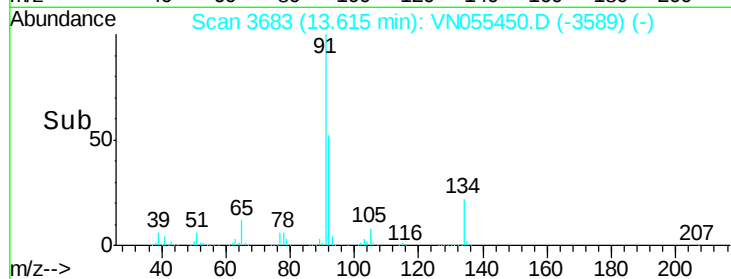
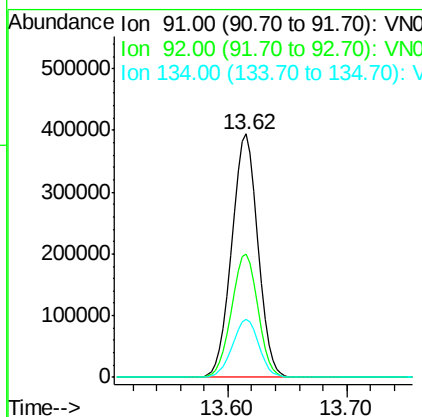
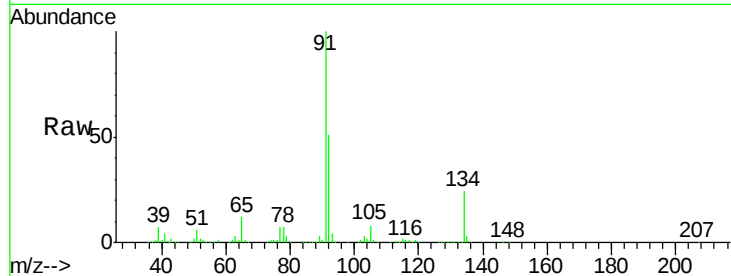
#89
n-Butylbenzene
Concen: 56.242 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN055450.D
Acq: 7 May 2019 20:57

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.5	26.1	78.3
134	24.2	12.4	37.4

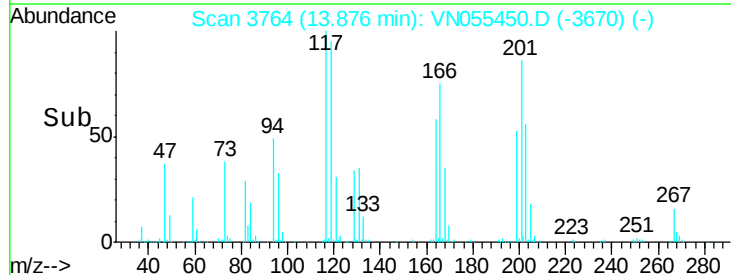
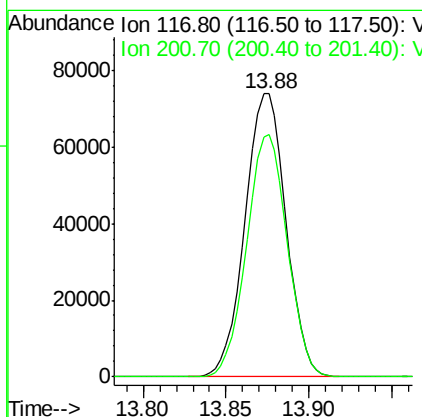
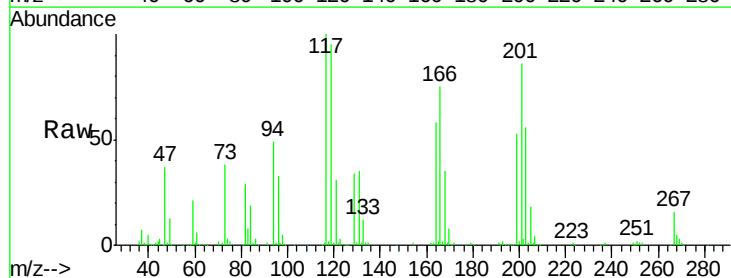
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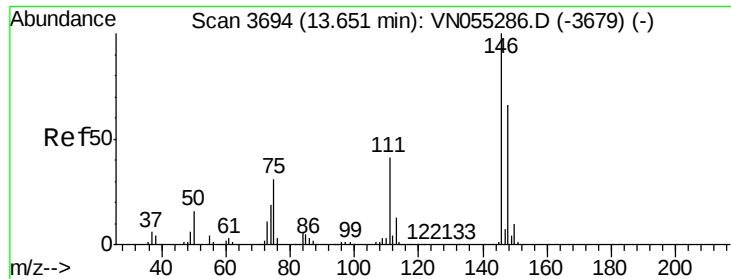
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#90
Hexachloroethane
Concen: 53.569 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN055450.D
Acq: 7 May 2019 20:57

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.6	41.9	125.8





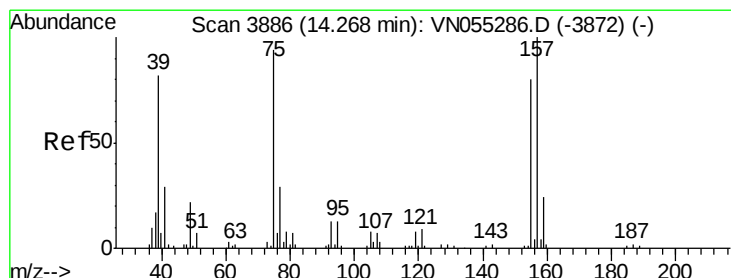
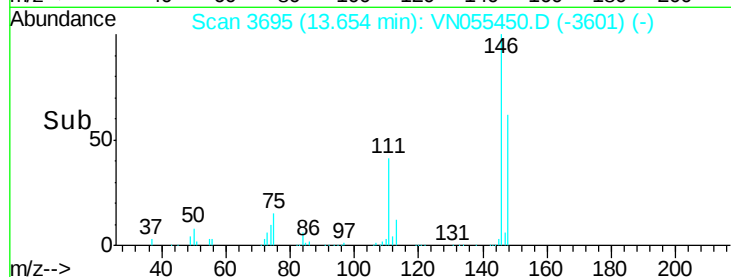
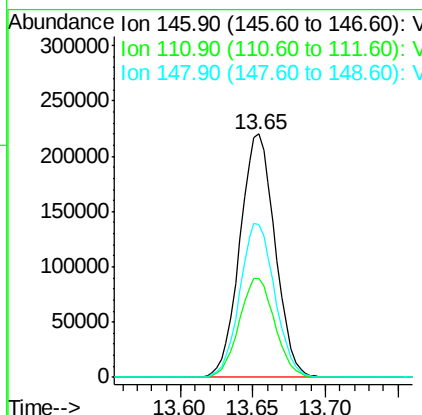
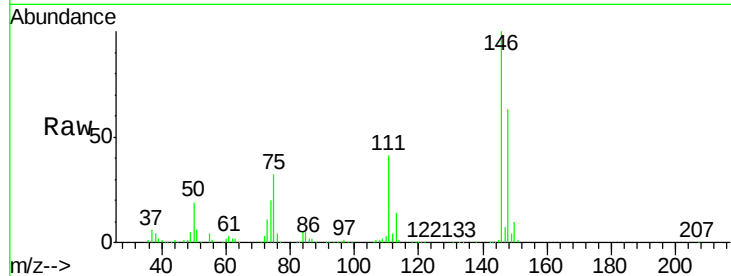
#91
 1,2-Dichlorobenzene
 Concen: 52.131 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN055450.D
 Acq: 7 May 2019 20:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.3	61.0
148	62.9	32.4	97.2

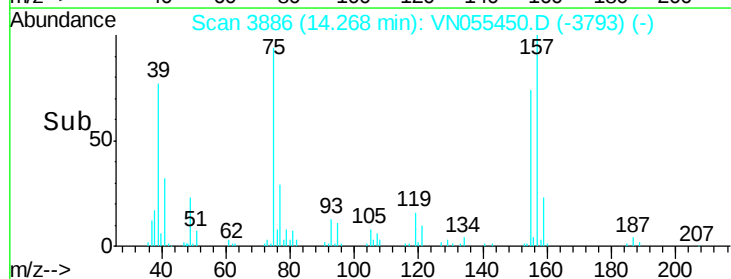
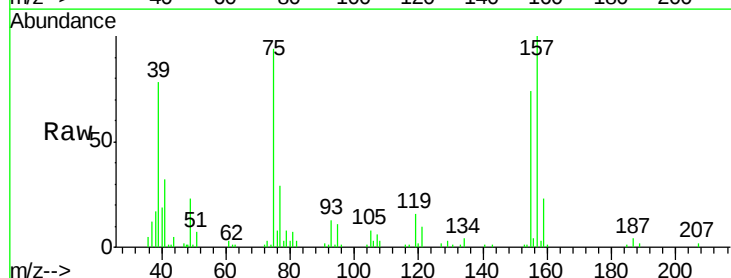
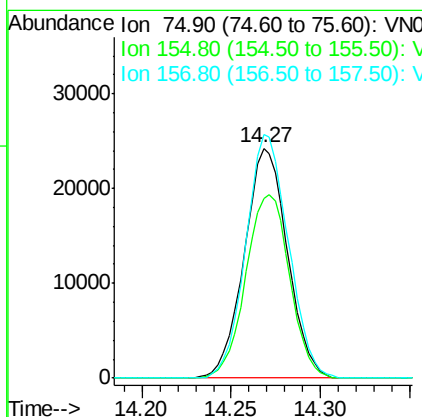
Manual Integrations
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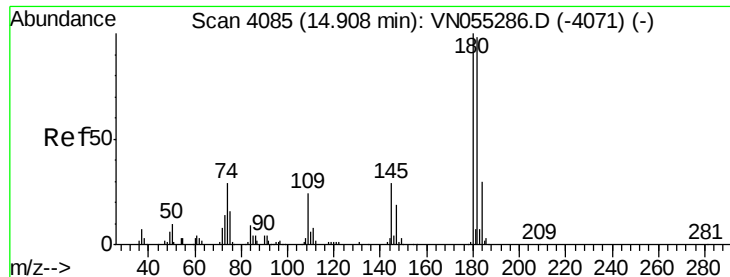
MMDadoda
 5/8/2019 10:16:19 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 72.573 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN055450.D
 Acq: 7 May 2019 20:57

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.2	41.5	124.6
157	104.4	54.0	162.2





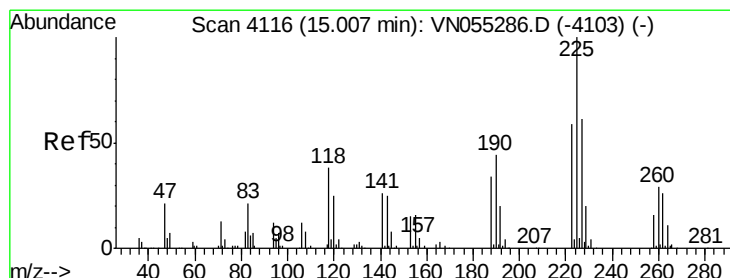
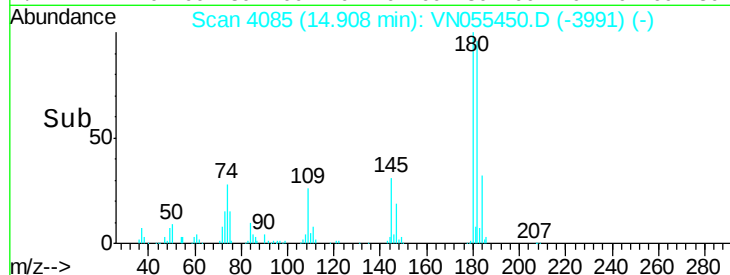
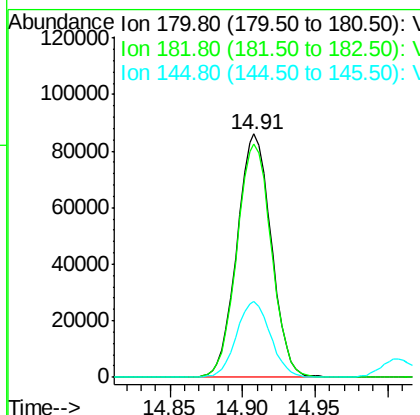
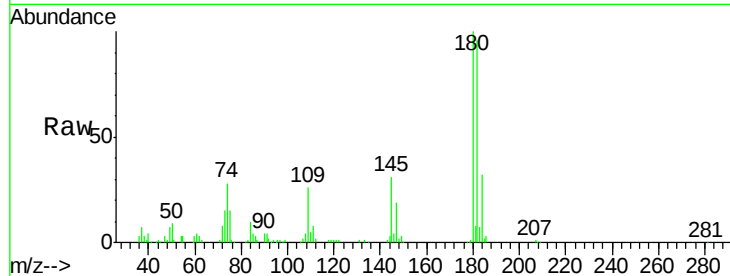
#93
 1,2,4-Trichlorobenzene
 Concen: 50.422 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055450.D
 Acq: 7 May 2019 20:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:180	Resp:	141361
Ion Ratio	Lower	Upper
180 100		
182 96.5	48.3	144.9
145 31.0	14.2	42.6

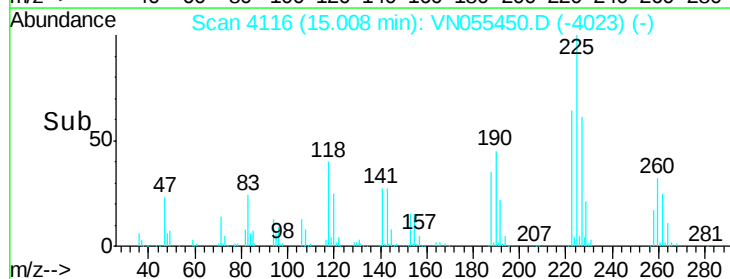
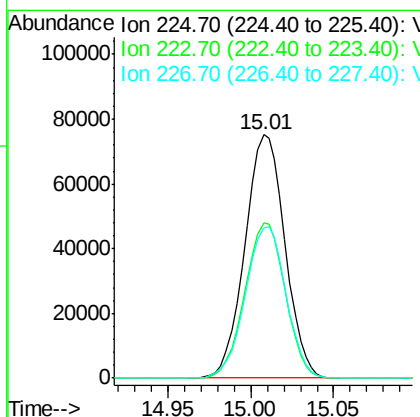
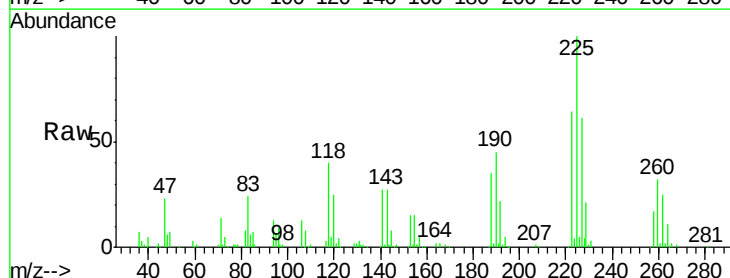
Manual Integrations
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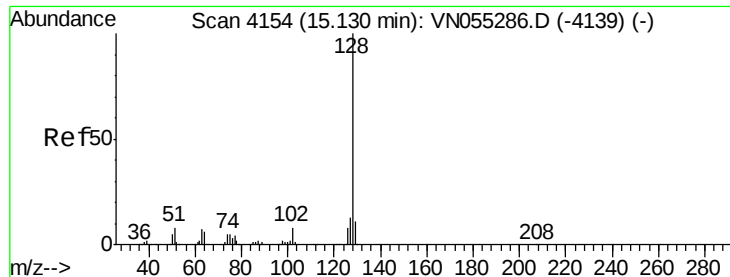
MMDadoda
 5/8/2019 10:16:19 AM



#94
 Hexachlorobutadiene
 Concen: 59.542 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055450.D
 Acq: 7 May 2019 20:57

Tgt Ion:225	Resp:	126195
Ion Ratio	Lower	Upper
225 100		
223 63.9	30.3	90.8
227 63.1	30.9	92.7





#95

Naphthalene

Concen: 52.169 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055450.D

Acq: 7 May 2019 20:57

Instrument :

MSVOA_N

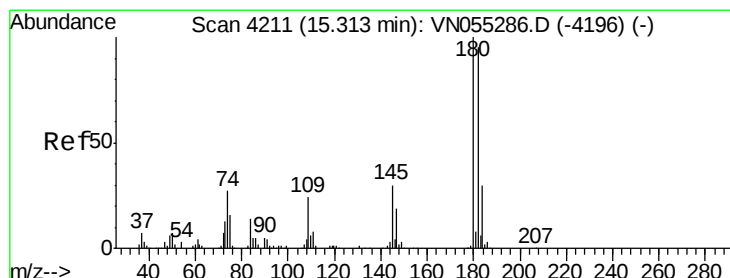
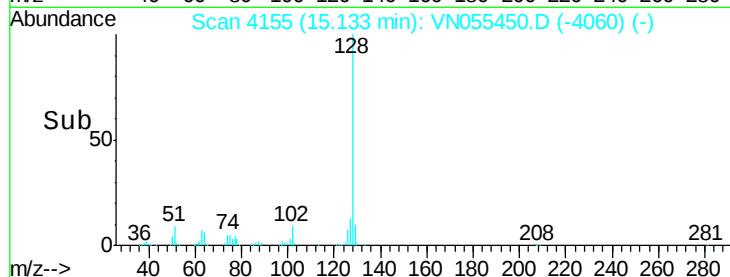
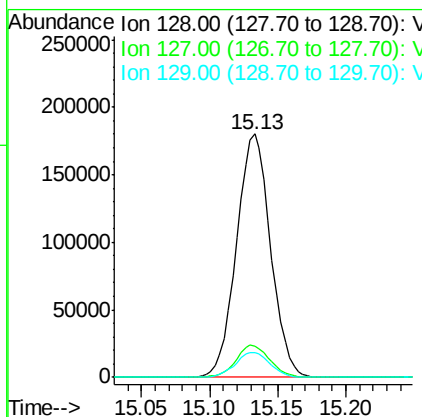
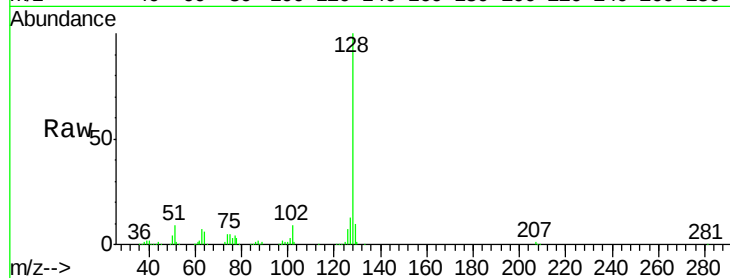
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	311664
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.7	16.1
129	10.5	8.6	13.0

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 54.886 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055450.D

Acq: 7 May 2019 20:57

Tgt Ion:	180	Resp:	152191
Ion Ratio	Lower	Upper	
180	100		
182	92.6	48.3	144.9
145	31.1	15.2	45.6

