

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080619\
 Data File : VN057103.D
 Acq On : 6 Aug 2019 15:07
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

MMdadoda
 8/9/2019 12:51:36 AM

Quant Time: Aug 07 04:22:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N072419W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jul 24 04:19:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.18	128	71698	30.00	ug/l	-0.01
28) 1,4-Difluorobenzene	8.58	114	398652	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.40	117	347328	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.01	65	145478	31.00	ug/l	-0.01
Spiked Amount	30.000	Range	50 - 169	Recovery	=	103.33%
60) 4-Bromofluorobenzene	12.40	95	150360	28.88	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	96.27%
63) Toluene-d8	10.08	98	486380	29.64	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.84	85	88846	20.726	ug/l 95
3) Chloromethane	2.05	50	99409	19.004	ug/l 96
4) Vinyl Chloride	2.18	62	91525	18.148	ug/l 100
5) Bromomethane	2.51	94	49857m	16.101	ug/l
6) Chloroethane	2.66	64	50978m	18.223	ug/l
7) Trichlorofluoromethane	2.99	101	127702	20.792	ug/l 97
8) Diethyl Ether	3.40	74	46548	20.340	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	3.73	101	75287	19.519	ug/l 97
10) 1,1-Dichloroethene	3.72	96	74330	19.419	ug/l 94
11) Methyl Iodide	3.93	142	96497	17.040	ug/l 99
12) Methyl Acetate	4.31	43	83780	17.885	ug/l # 90
13) Acrolein	3.59	56	54965	103.676	ug/l 99
14) Acrylonitrile	4.97	53	165382	91.543	ug/l 99
15) Acetone	3.81	58	68711	147.112	ug/l 92
16) Carbon Disulfide	4.03	76	173971	16.856	ug/l 99
17) Allyl chloride	4.30	41	113638	17.741	ug/l 96
18) Methylene Chloride	4.53	84	88922	19.960	ug/l 95
19) trans-1,2-Dichloroethene	5.02	96	77004	19.009	ug/l 98
20) Diisopropyl ether	5.94	45	238972	18.376	ug/l 98
21) 1,1-Dichloroethane	5.83	63	143847	19.033	ug/l 97
22) cis-1,2-Dichloroethene	6.82	96	88667	18.886	ug/l 99
23) tert-Butyl Alcohol	4.79	59	53977	89.530	ug/l # 100
24) Methyl tert-Butyl Ether	5.03	73	224531	19.402	ug/l 98
25) Chloroform	7.36	83	143855	19.511	ug/l 100
26) Cyclohexane	7.64	56	127992	18.435	ug/l # 96
29) 1,1-Dichloropropene	7.78	75	100950	17.844	ug/l 99
30) 2-Butanone	6.82	43	237003	104.275	ug/l 99
31) 2,2-Dichloropropane	6.81	77	110139	20.979	ug/l 100
32) 1,1,1-Trichloroethane	7.56	97	119865	19.283	ug/l 98
33) Carbon Tetrachloride	7.76	117	103557	19.088	ug/l 97
34) Benzene	8.03	78	329545	18.488	ug/l 99
35) Methacrylonitrile	7.16	41	34903	15.377	ug/l 91
36) 1,2-Dichloroethane	8.11	62	106049	19.137	ug/l 99
37) Trichloroethene	8.83	130	89916	18.815	ug/l 97
38) Methylcyclohexane	9.07	83	131044	18.210	ug/l 98
39) 1,2-Dichloropropane	9.11	63	85177	17.902	ug/l 98
40) Dibromomethane	9.20	93	55821	19.124	ug/l 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.39	83	102560	18.285	ug/l	98
42) Vinyl Acetate	5.88	43	898237	88.742	ug/l	99
43) Ethyl Acetate	6.92	43	83403	17.900	ug/l #	92
44) Isopropyl Acetate	8.16	43	167514	21.568	ug/l #	80
45) 1,4-Dioxane	9.19	88	28740	388.699	ug/l	91
46) Methyl methacrylate	9.19	41	66653	17.202	ug/l	96
47) n-amyl Acetate	12.07	43	106720	17.165	ug/l	98
48) t-1,3-Dichloropropene	10.37	75	107845	18.477	ug/l	100
49) cis-1,3-Dichloropropene	9.83	75	124744	18.341	ug/l	98
50) 1,1,2-Trichloroethane	10.55	97	79467	18.962	ug/l	98
51) Ethyl methacrylate	10.42	69	110660	18.256	ug/l	97
52) 1,3-Dichloropropane	10.70	76	133760	18.912	ug/l	99
53) Dibromochloromethane	10.90	129	80729	18.532	ug/l	100
54) 1,2-Dibromoethane	11.00	107	80928	18.929	ug/l	100
55) 2-Chloroethyl vinyl ether	9.69	63	170064	64.781	ug/l	98
56) Bromoform	12.12	173	54443	18.064	ug/l	99
58) 4-Methyl-2-Pentanone	9.98	43	422418	90.628	ug/l	98
59) 2-Hexanone	10.75	43	319477	100.588	ug/l	99
61) Tetrachloroethene	10.63	164	93012	19.108	ug/l	99
62) Toluene	10.15	91	355529	18.821	ug/l	100
64) Chlorobenzene	11.43	112	217986	19.157	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.50	131	82247	19.084	ug/l	99
66) Ethyl Benzene	11.51	91	374428	18.810	ug/l	98
67) m/p-Xylenes	11.62	106	282874	38.108	ug/l	99
68) o-Xylene	11.94	106	139400	19.101	ug/l	97
69) Styrene	11.96	104	218097	18.441	ug/l	99
70) Isopropylbenzene	12.25	105	375158	19.523	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	102082	18.966	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	92538m	19.541	ug/l	
73) Bromobenzene	12.52	156	95249	19.209	ug/l	97
74) n-propylbenzene	12.59	91	371968	17.703	ug/l	98
75) 2-Chlorotoluene	12.67	91	236806	18.590	ug/l	97
76) 1,3,5-Trimethylbenzene	12.73	105	311117	19.232	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	26571	17.871	ug/l	94
78) 4-Chlorotoluene	12.77	91	208996	17.260	ug/l	99
79) tert-butylbenzene	12.99	119	277306	19.864	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	294846	18.696	ug/l	99
81) sec-Butylbenzene	13.17	105	338250	18.559	ug/l	100
82) p-Isopropyltoluene	13.29	119	290677	17.758	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	127761	16.364	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	113397	15.362	ug/l	99
85) n-Butylbenzene	13.61	91	196829	15.314	ug/l	98
86) Hexachloroethane	13.87	117	50858	18.566	ug/l	98
87) 1,2-Dichlorobenzene	13.65	146	130263	16.798	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	14.27	75	14669	17.617	ug/l	98
89) 1,2,4-Trichlorobenzene	14.91	180	40866	15.665	ug/l	99
90) Hexachlorobutadiene	15.01	225	50524	17.725	ug/l	98
91) Naphthalene	15.12	128	101974	15.120	ug/l	99
92) 1,2,3-Trichlorobenzene	15.30	180	50040	12.206	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

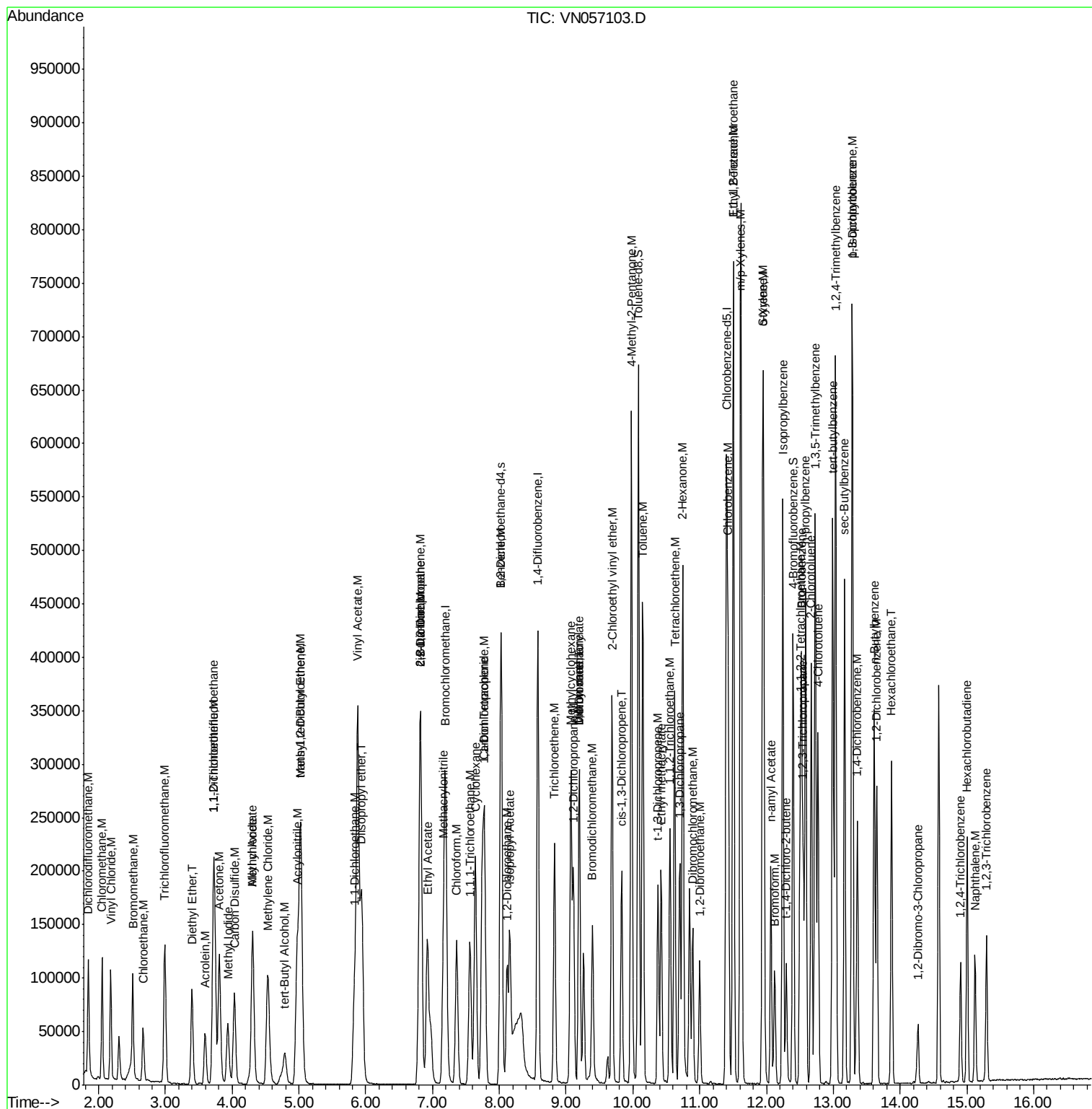
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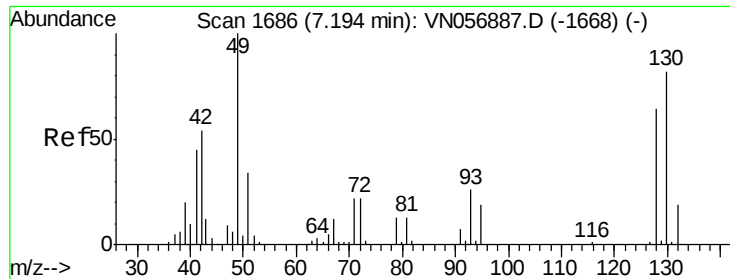
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MSVOA_N
Client Sampled :
VSTDCCC020

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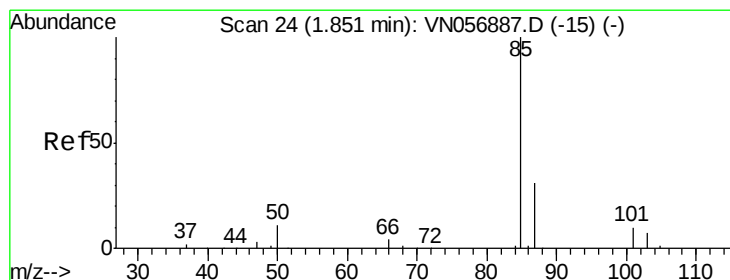
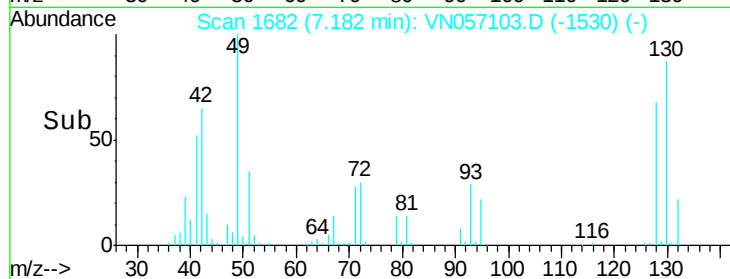
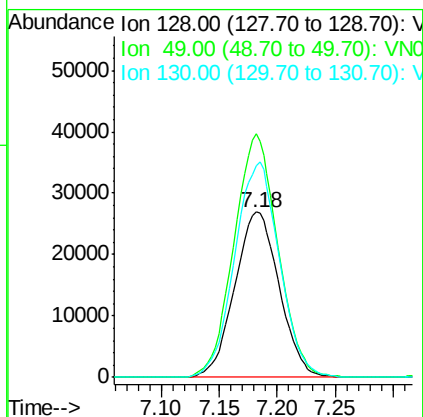
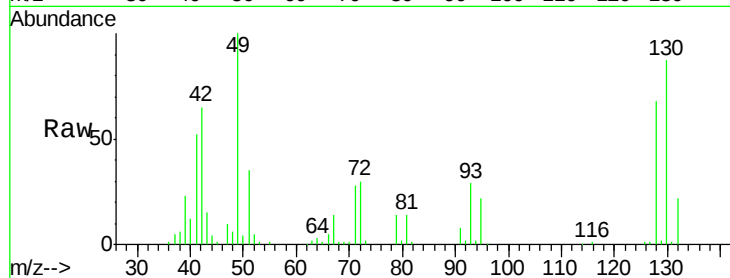
#1
 Bromochloromethane
 Concen: 30.000 ug/l
 RT: 7.18 min Scan# 1682
 Delta R.T. -0.01 min
 Lab File: VN057103.D
 Acq: 6 Aug 2019 15:07

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
128	100		
49	145.1	0.0	385.8
130	131.0	0.0	322.5

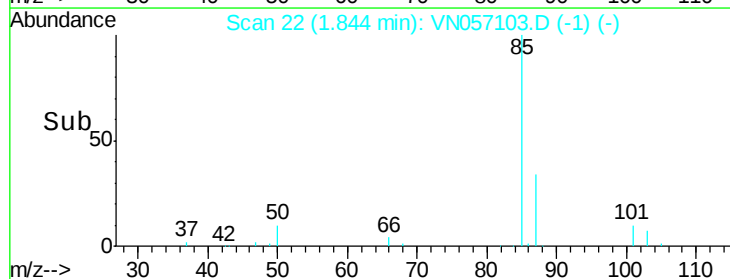
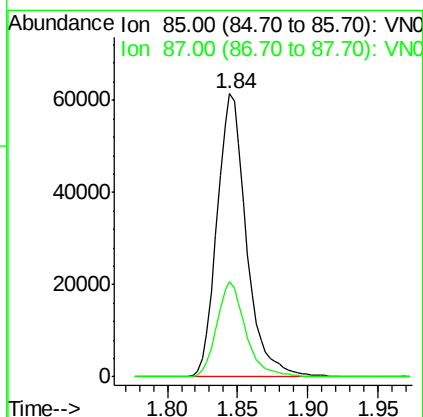
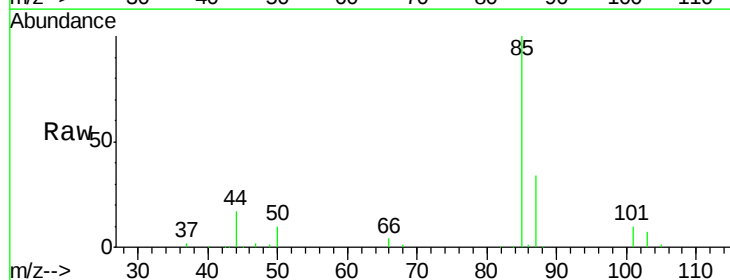
Manual Integrations
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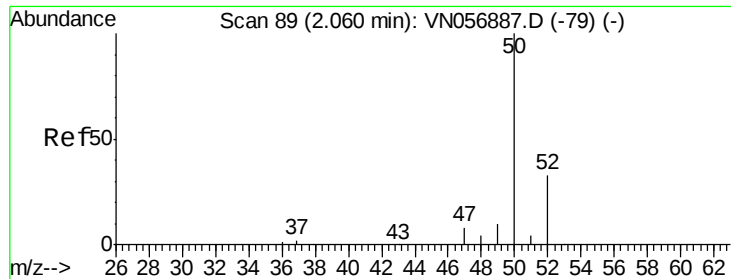
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#2
 Dichlorodifluoromethane
 Concen: 20.726 ug/l
 RT: 1.84 min Scan# 22
 Delta R.T. -0.01 min
 Lab File: VN057103.D
 Acq: 6 Aug 2019 15:07

Tgt Ion	Ratio	Lower	Upper
85	100		
87	33.7	15.6	46.8





#3

Chloromethane

Concen: 19.004 ug/l

RT: 2.05 min Scan# 86

Delta R.T. -0.01 min

Lab File: VN057103.D

Acq: 6 Aug 2019 15:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 50 Resp: 99409

Ion Ratio Lower Upper

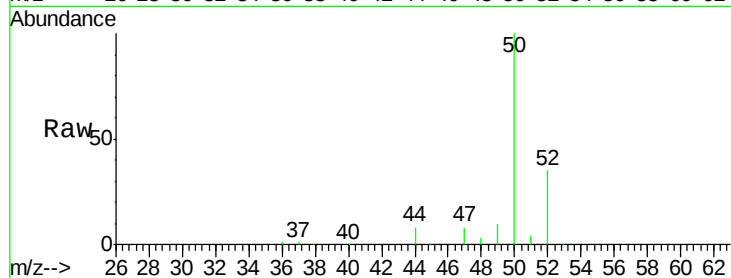
50 100

52 35.0 26.2 39.2

Manual Integrations
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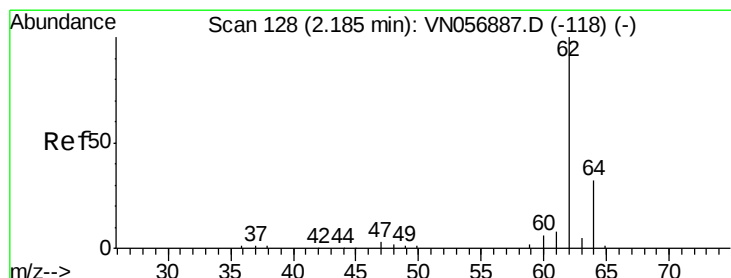
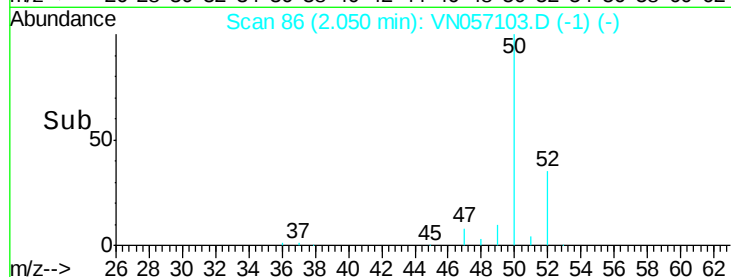
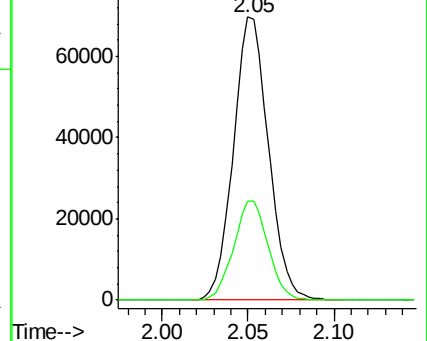
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Abundance Ion 50.00 (49.70 to 50.70): VNO

Ion 52.00 (51.70 to 52.70): VNO



#4

Vinyl Chloride

Concen: 18.148 ug/l

RT: 2.18 min Scan# 126

Delta R.T. -0.01 min

Lab File: VN057103.D

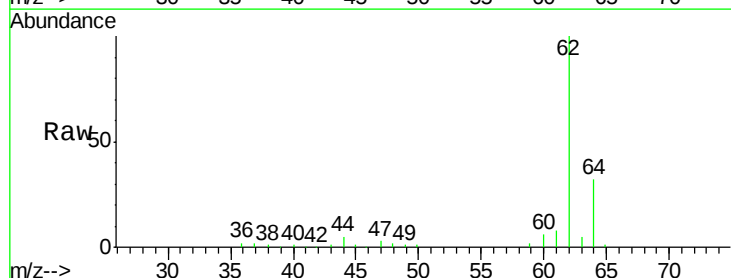
Acq: 6 Aug 2019 15:07

Tgt Ion: 62 Resp: 91525

Ion Ratio Lower Upper

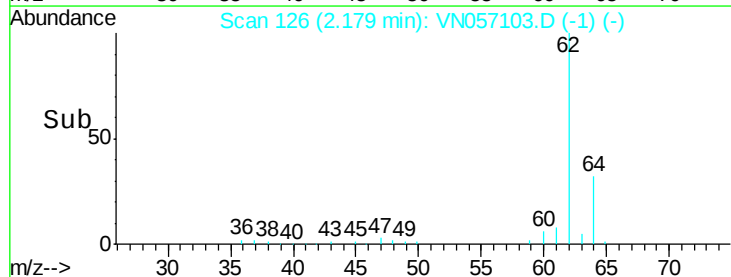
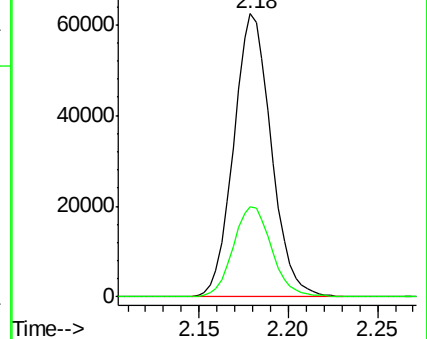
62 100

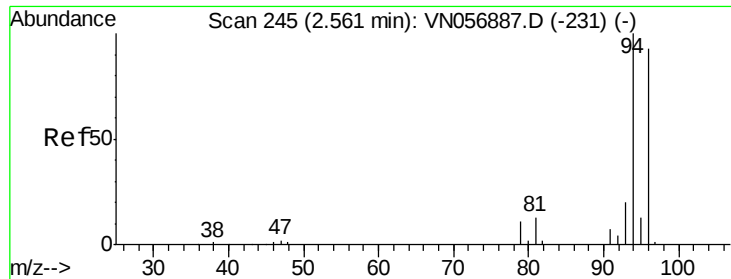
64 31.9 25.4 38.0



Abundance Ion 62.00 (61.70 to 62.70): VNO

Ion 64.00 (63.70 to 64.70): VNO





#5

Bromomethane

Concen: 16.101 ug/l m

RT: 2.51 min Scan# 229

Delta R.T. -0.05 min

Lab File: VN057103.D

Acq: 6 Aug 2019 15:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 94 Resp: 49857

Ion Ratio Lower Upper

94 100

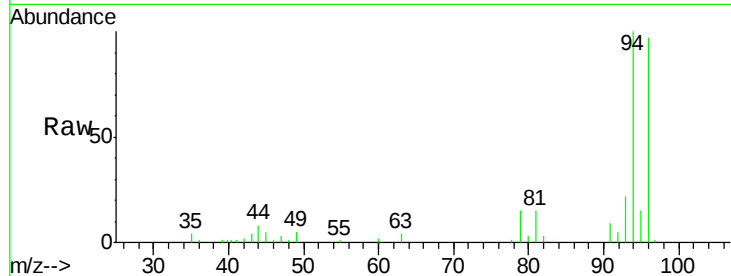
96 97.4 74.7 112.1

Manual Integrations

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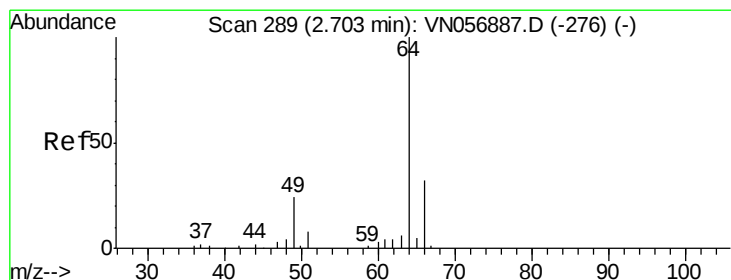
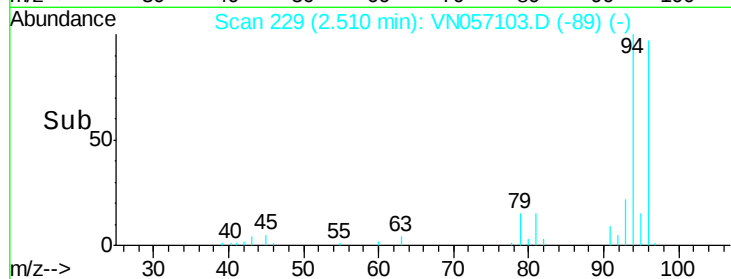
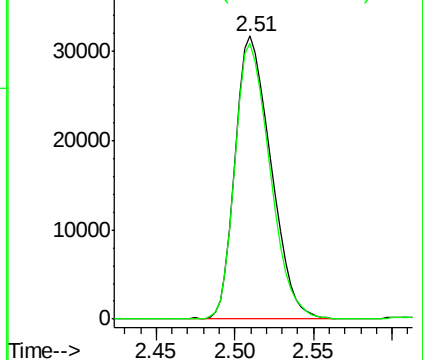
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Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 18.223 ug/l m

RT: 2.66 min Scan# 277

Delta R.T. -0.04 min

Lab File: VN057103.D

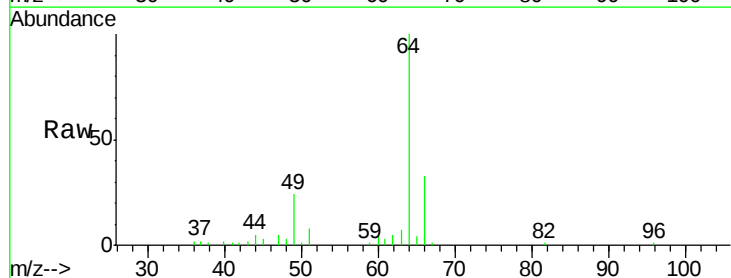
Acq: 6 Aug 2019 15:07

Tgt Ion: 64 Resp: 50978

Ion Ratio Lower Upper

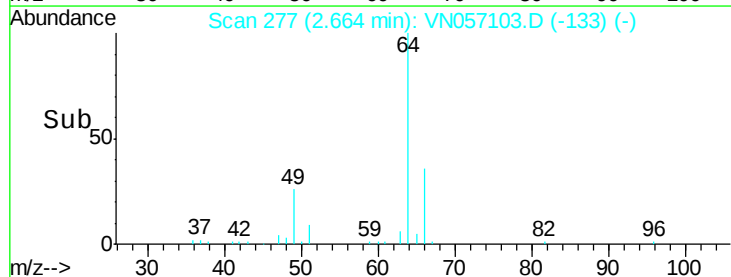
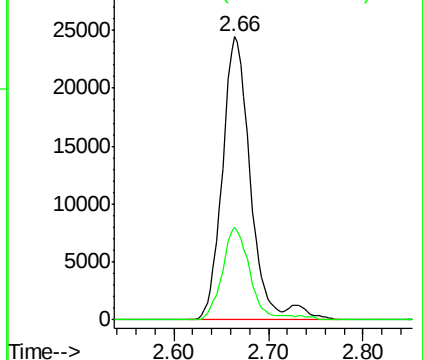
64 100

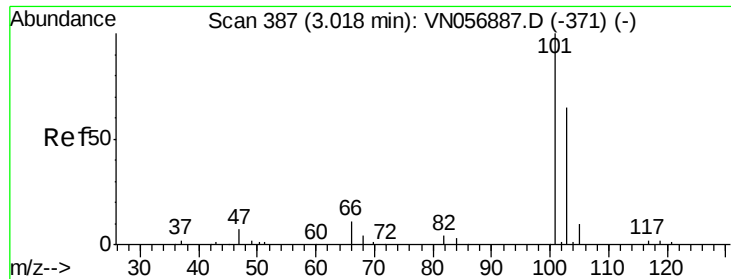
66 32.8 25.8 38.8



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

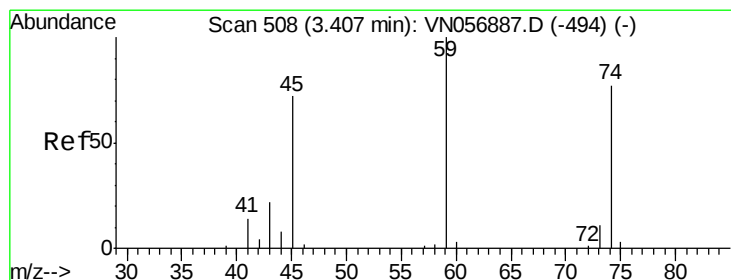
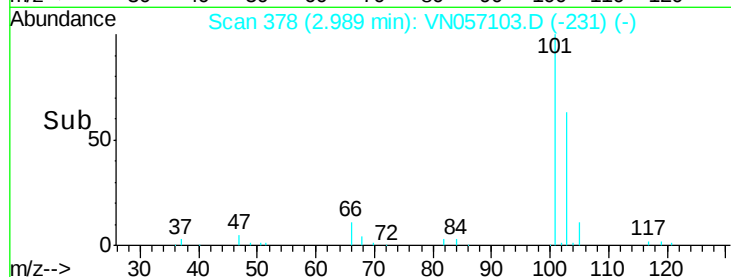
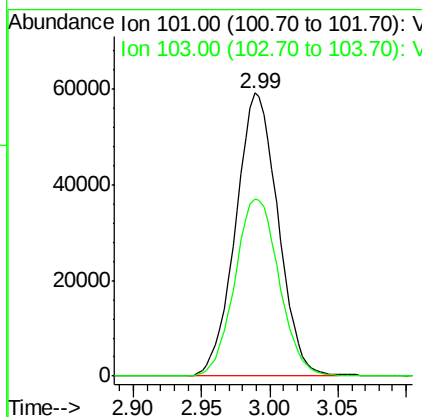
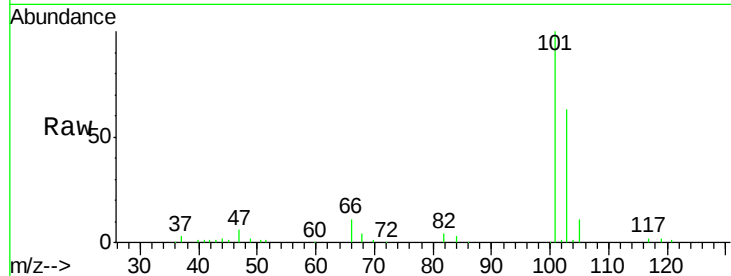
Trichlorofluoromethane
Concen: 20.792 ug/l
RT: 2.99 min Scan# 378
Delta R.T. -0.03 min
Lab File: VN057103.D
Acq: 6 Aug 2019 15:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion:101 Resp: 127702
Ion Ratio Lower Upper
101 100
103 62.6 52.2 78.4

Manual Integrations
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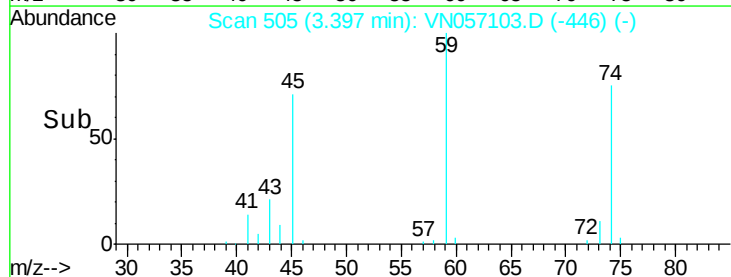
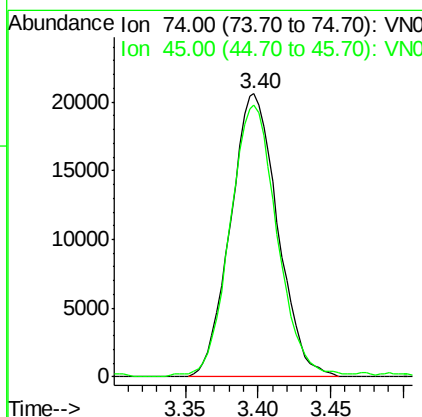
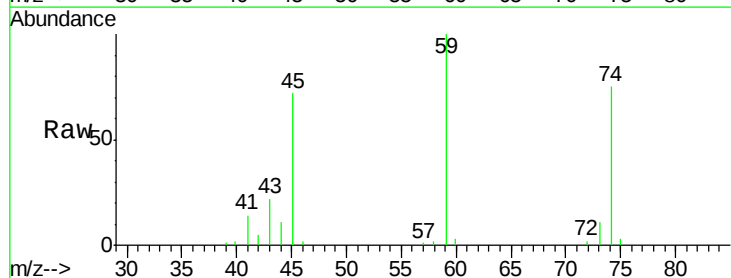
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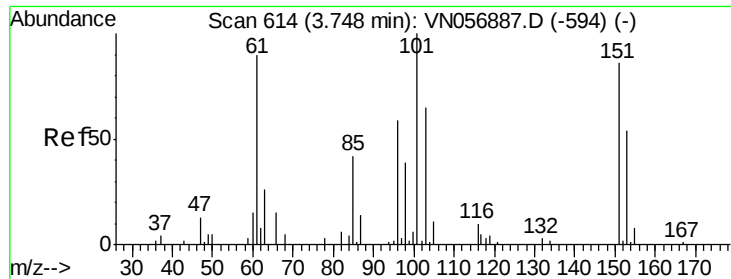


#8

Diethyl Ether
Concen: 20.340 ug/l
RT: 3.40 min Scan# 505
Delta R.T. -0.01 min
Lab File: VN057103.D
Acq: 6 Aug 2019 15:07

Tgt Ion: 74 Resp: 46548
Ion Ratio Lower Upper
74 100
45 94.8 19.5 175.7





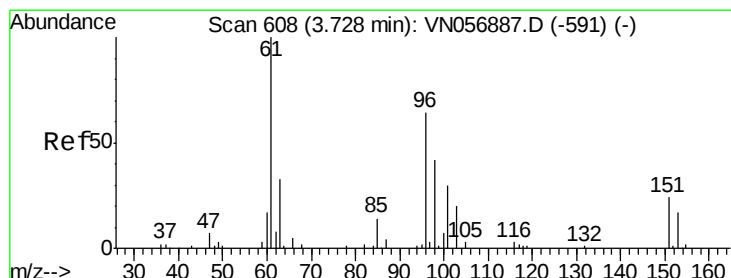
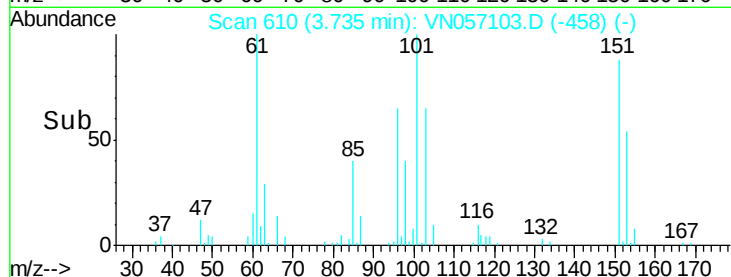
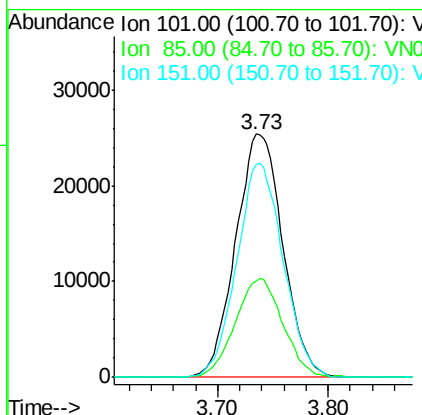
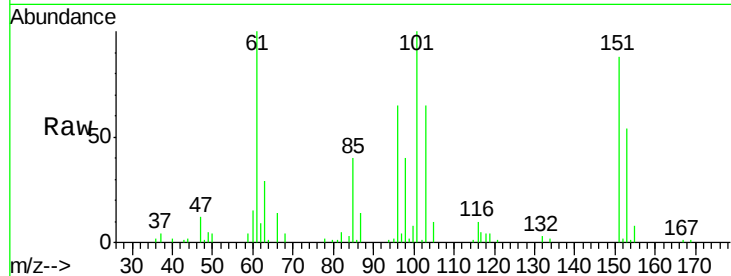
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 19.519 ug/l
 RT: 3.73 min Scan# 610
 Delta R.T. -0.01 min
 Lab File: VN057103.D
 Acq: 6 Aug 2019 15:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
101	100		
85	40.9	0.0	85.0
151	86.7	0.0	167.2

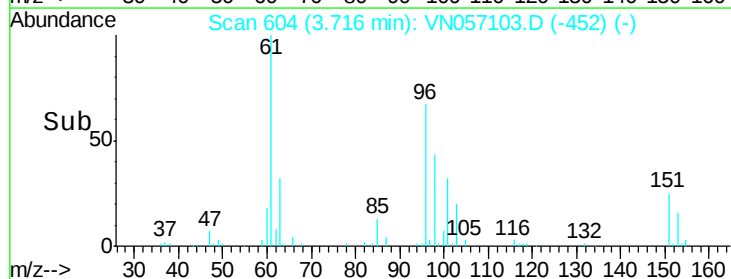
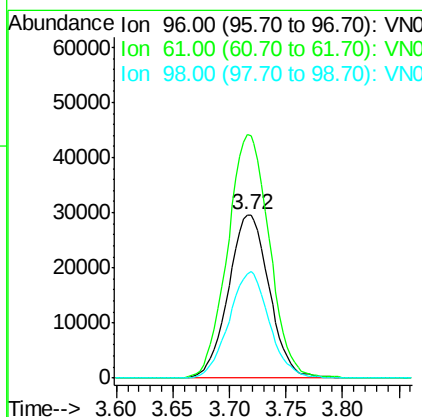
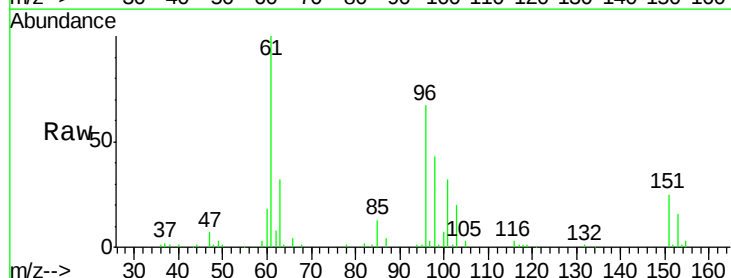
Manual Integrations
 APPROVED

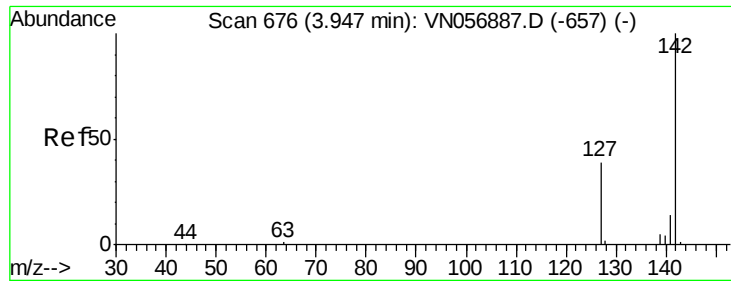
MMDadoda
 8/9/2019 12:51:36 AM



#10
 1,1-Dichloroethene
 Concen: 19.419 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. -0.01 min
 Lab File: VN057103.D
 Acq: 6 Aug 2019 15:07

Tgt Ion	Ratio	Lower	Upper
96	100		
61	148.3	125.8	188.8
98	63.7	52.7	79.1





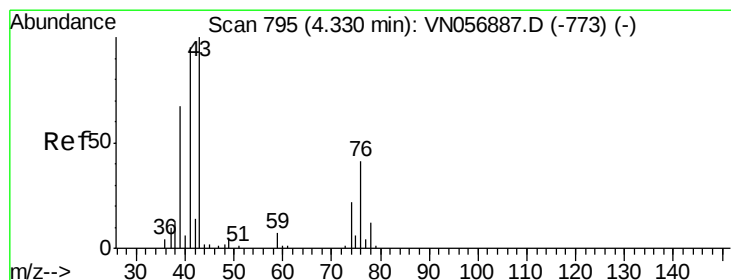
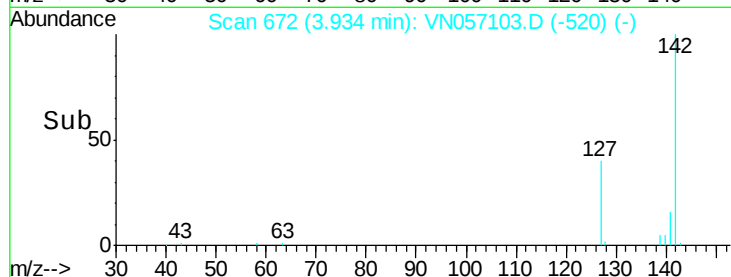
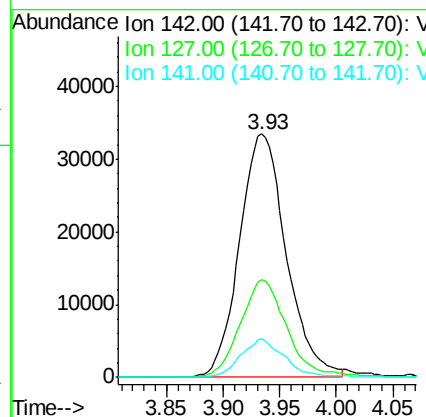
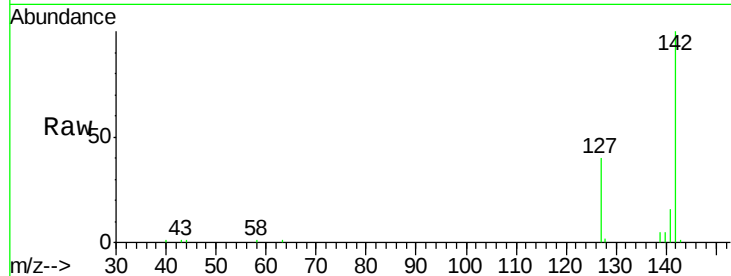
#11
Methvl Iodide
Concen: 17.040 ug/l
RT: 3.93 min Scan# 672
Delta R.T. -0.01 min
Lab File: VN057103.D
Acq: 6 Aug 2019 15:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
142	100		
127	39.6	19.6	58.8
141	15.9	7.2	21.6

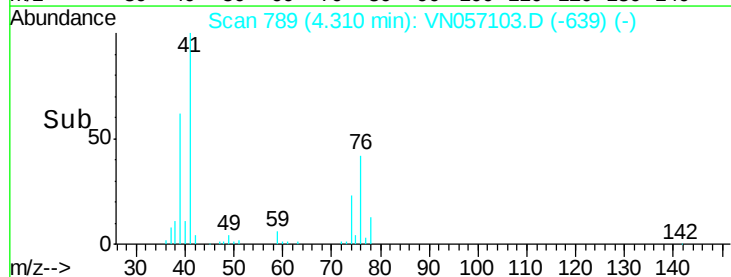
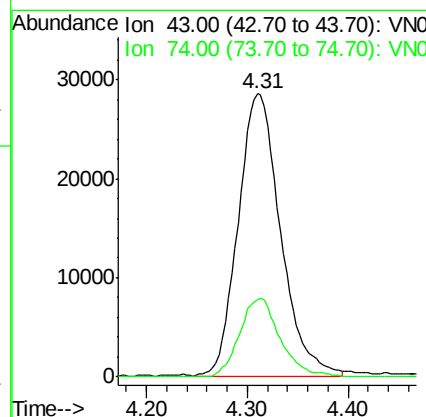
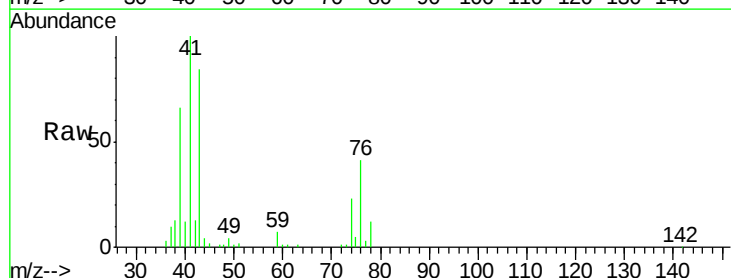
Manual Integrations
APPROVED

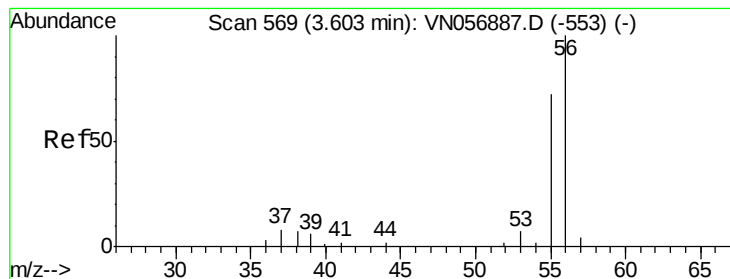
MMdadoda
8/9/2019 12:51:36 AM



#12
Methyl Acetate
Concen: 17.885 ug/l
RT: 4.31 min Scan# 789
Delta R.T. -0.02 min
Lab File: VN057103.D
Acq: 6 Aug 2019 15:07

Tgt Ion	Ratio	Lower	Upper
43	100		
74	27.4	18.1	27.1#





#13

Acrolein

Concen: 103.676 ug/l

RT: 3.59 min Scan# 566

Delta R.T. -0.01 min

Lab File: VN057103.D

Acq: 6 Aug 2019 15:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 56 Resp: 54965

Ion Ratio Lower Upper

56 100

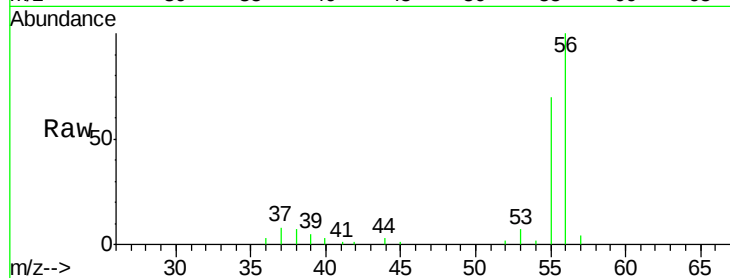
55 71.9 58.5 87.7

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VN056887.D (-553) (-)

Ion 55.00 (54.70 to 55.70): VN056887.D (-553) (-)

25000

20000

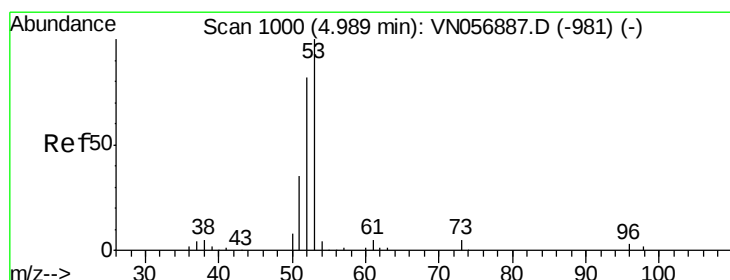
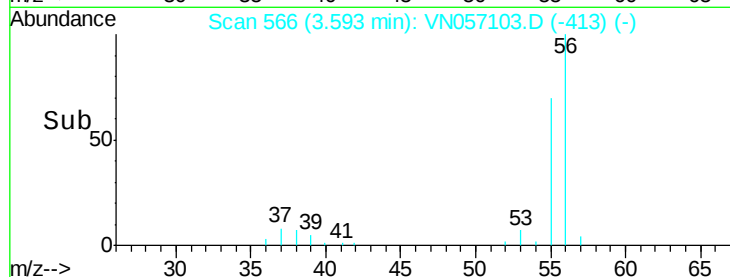
15000

10000

5000

0

Time-->



#14

Acrylonitrile

Concen: 91.543 ug/l

RT: 4.97 min Scan# 995

Delta R.T. -0.02 min

Lab File: VN057103.D

Acq: 6 Aug 2019 15:07

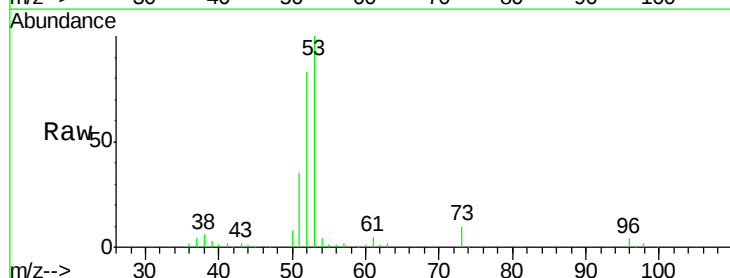
Tgt Ion: 53 Resp: 165382

Ion Ratio Lower Upper

53 100

52 83.0 40.8 122.5

51 35.0 17.4 52.2



Abundance Ion 53.00 (52.70 to 53.70): VN056887.D (-981) (-)

Ion 52.00 (51.70 to 52.70): VN056887.D (-981) (-)

Ion 51.00 (50.70 to 51.70): VN056887.D (-981) (-)

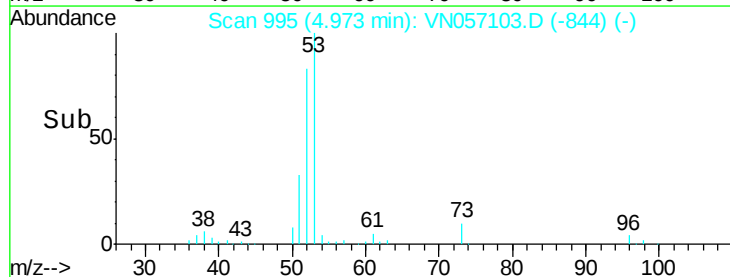
60000

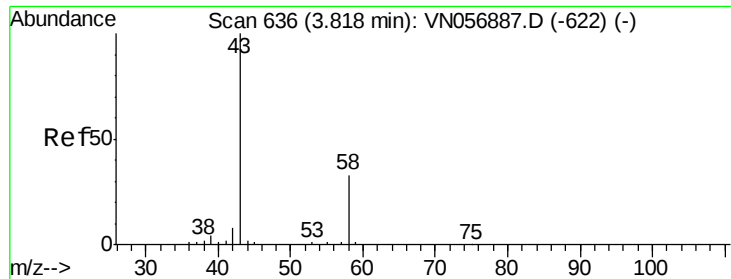
40000

20000

0

Time-->





#15

Acetone

Concen: 147.112 ug/l

RT: 3.81 min Scan# 632

Delta R.T. -0.01 min

Lab File: VN057103.D

Acq: 6 Aug 2019 15:07

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC020

Tot Ion: 58 Resp: 68711

Ion Ratio Lower Upper

58 100

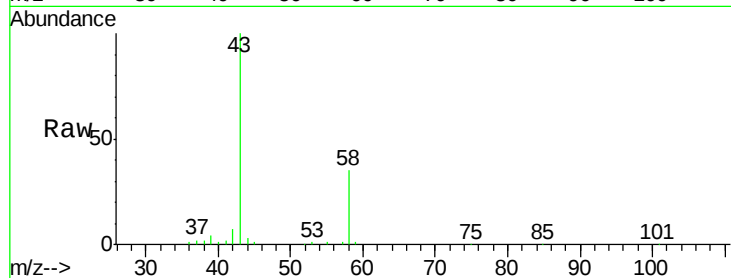
43 286.3 242.4 363.6

Manual Integrations

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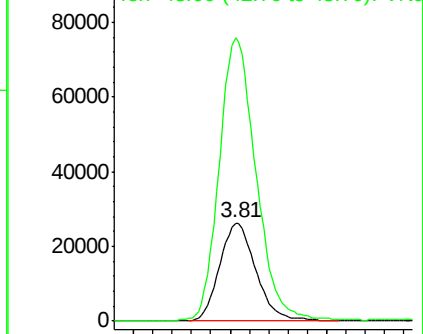
MMdadoda

8/9/2019 12:51:36 AM

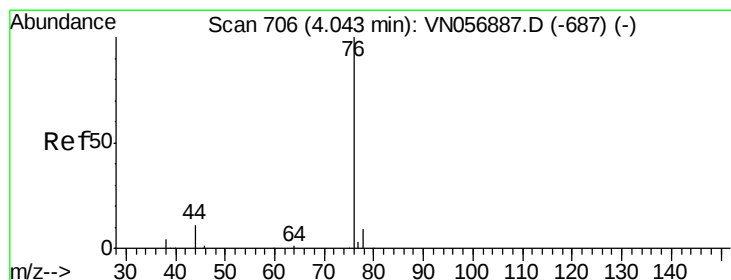
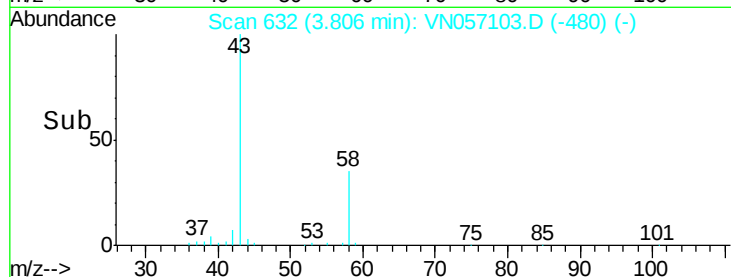


Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



Time-->



#16

Carbon Disulfide

Concen: 16.856 ug/l

RT: 4.03 min Scan# 703

Delta R.T. -0.01 min

Lab File: VN057103.D

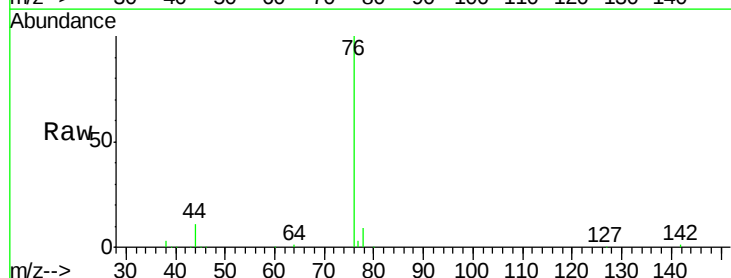
Acq: 6 Aug 2019 15:07

Tgt Ion: 76 Resp: 173971

Ion Ratio Lower Upper

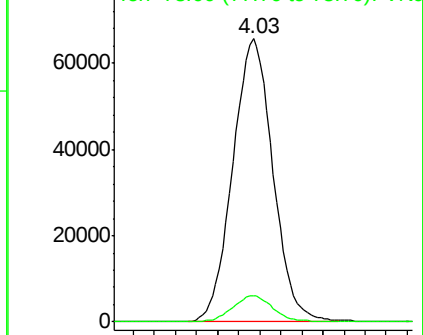
76 100

78 9.4 7.1 10.7

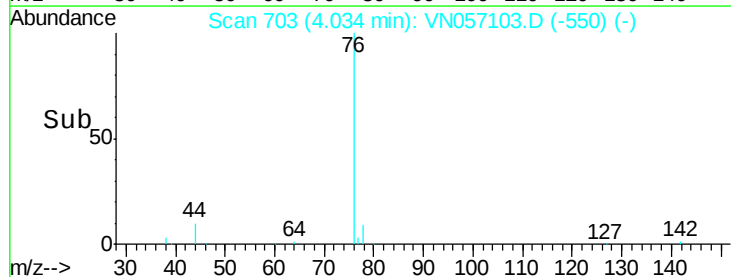


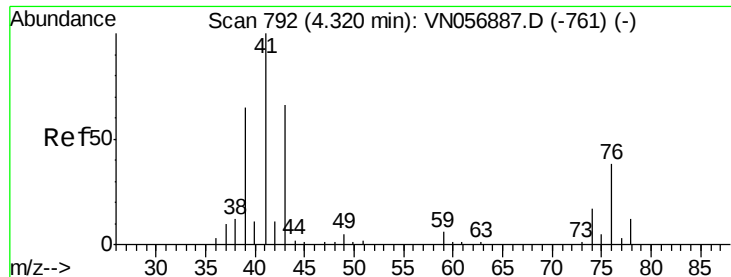
Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0



Time-->





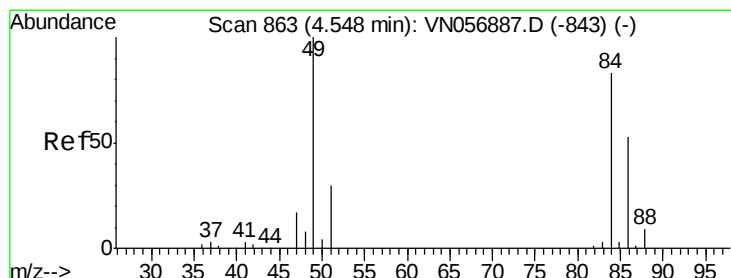
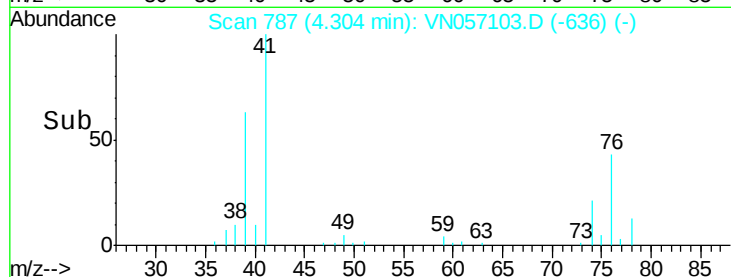
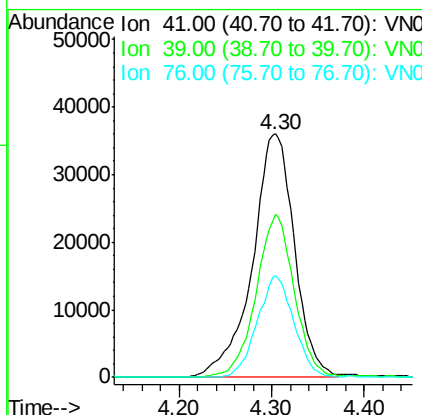
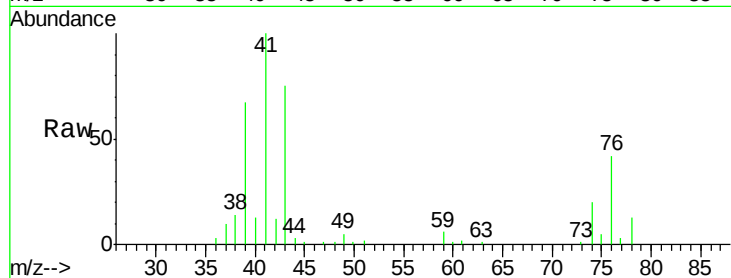
#17
Allvl chloride
Concen: 17.741 ug/l
RT: 4.30 min Scan# 787
Delta R.T. -0.02 min
Lab File: VN057103.D
Acq: 6 Aug 2019 15:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
41	100	113638		
39	66.8		32.4	97.0
76	41.7		19.0	57.0

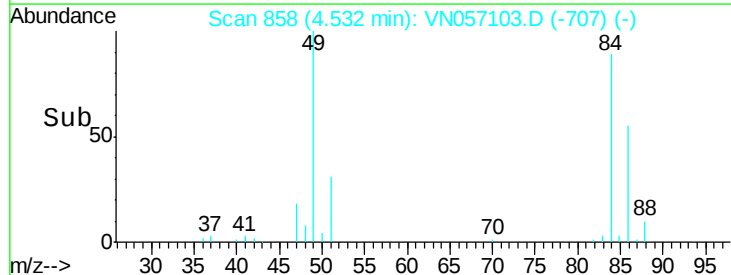
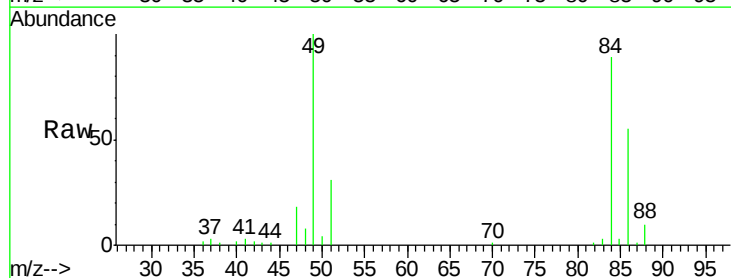
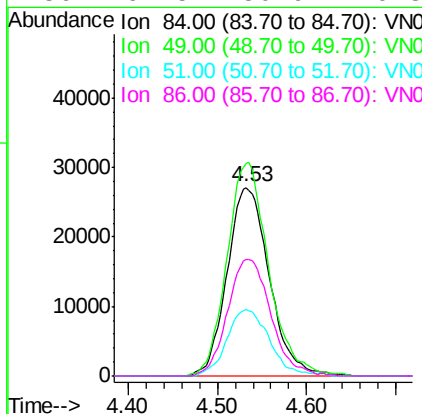
Manual Integrations
APPROVED

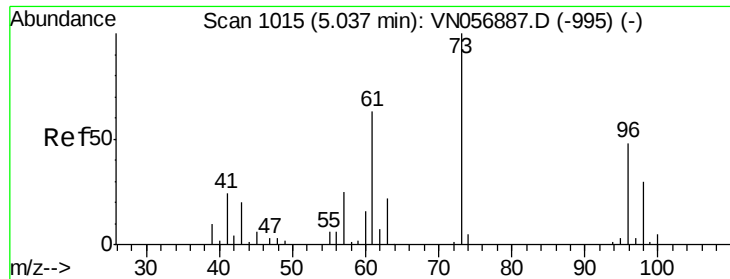
MMdadoda
8/9/2019 12:51:36 AM



#18
Methylene Chloride
Concen: 19.960 ug/l
RT: 4.53 min Scan# 858
Delta R.T. -0.02 min
Lab File: VN057103.D
Acq: 6 Aug 2019 15:07

Tgt Ion	Ratio	Resp	Lower	Upper
84	100	88922		
49	111.5		96.3	144.5
51	35.0		28.8	43.2
86	61.5		50.9	76.3





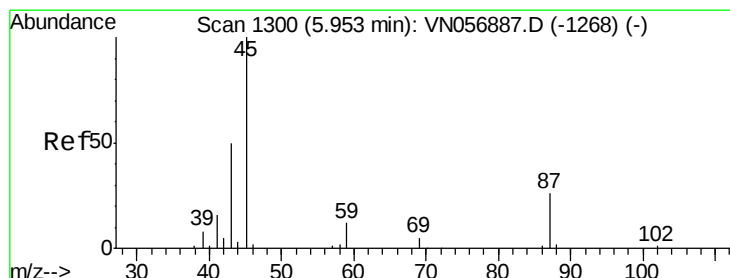
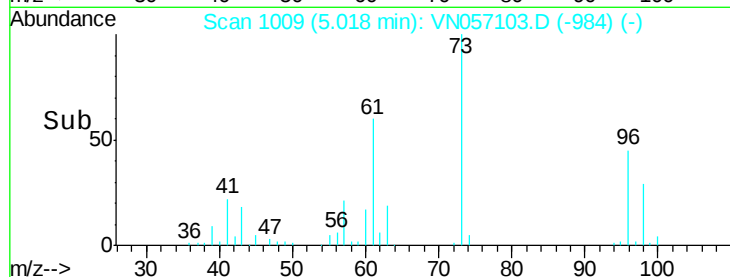
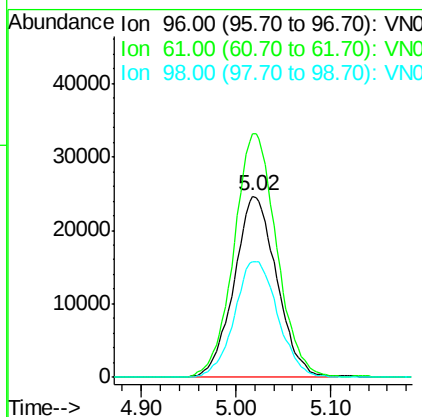
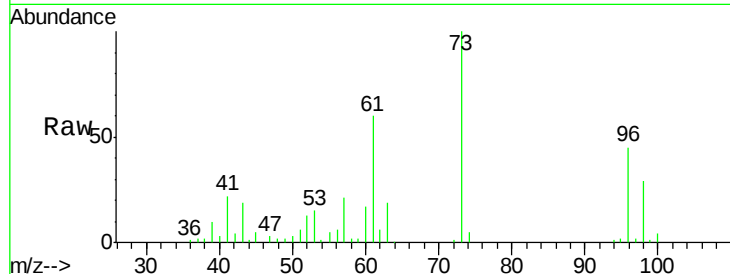
#19
trans-1,2-Dichloroethene
Concen: 19.009 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. -0.02 min
Lab File: VN057103.D
Acq: 6 Aug 2019 15:07

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	134.1	105.4	158.0
98	64.0	50.8	76.2

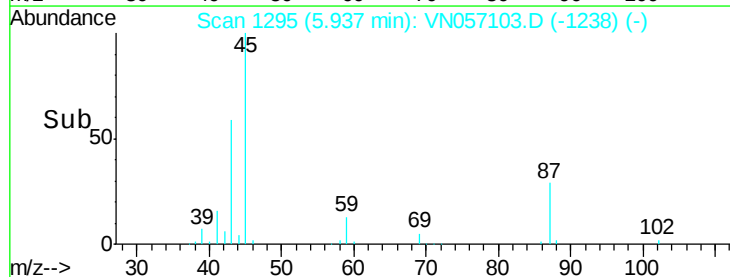
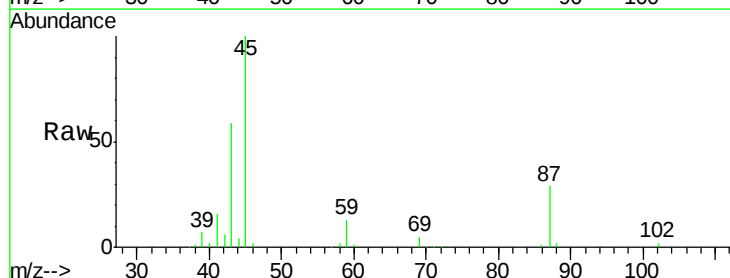
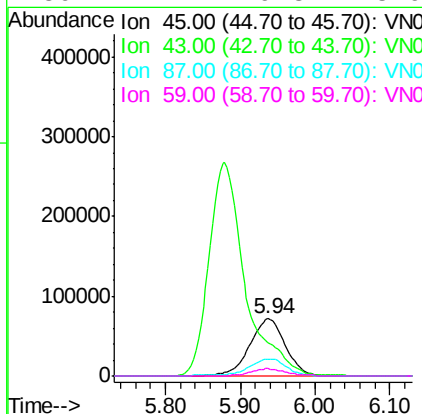
Manual Integrations
APPROVED

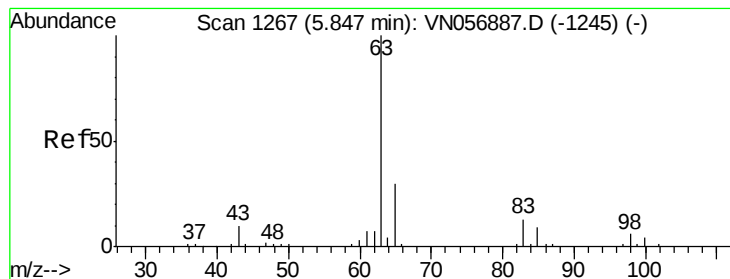
MMdadoda
8/9/2019 12:51:36 AM



#20
Diisopropyl ether
Concen: 18.376 ug/l
RT: 5.94 min Scan# 1295
Delta R.T. -0.02 min
Lab File: VN057103.D
Acq: 6 Aug 2019 15:07

Tgt Ion	Ratio	Lower	Upper
45	100		
43	57.7	47.4	71.0
87	28.5	21.7	32.5
59	12.2	9.3	13.9





#21

1,1-Dichloroethane

Concen: 19.033 ug/l

RT: 5.83 min Scan# 1262

Delta R.T. -0.02 min

Lab File: VN057103.D

Acq: 6 Aug 2019 15:07

Instrument :

MSVOA_N

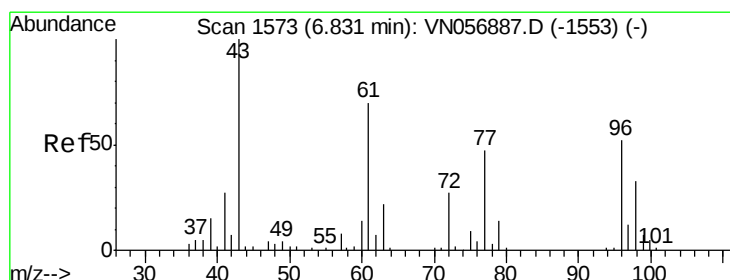
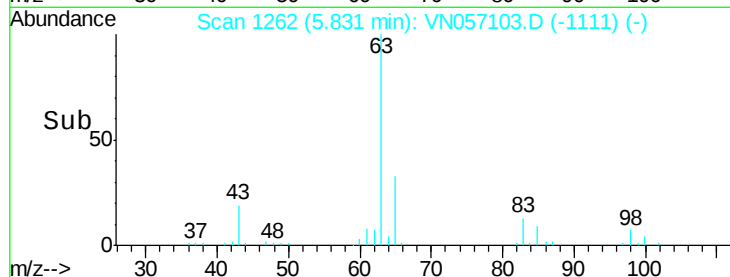
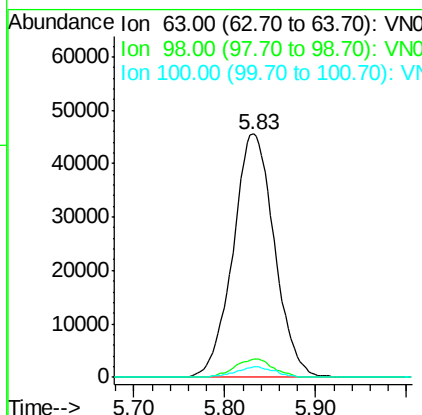
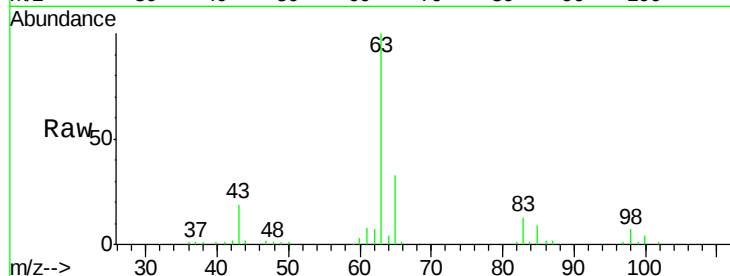
ClientSampleId :

VSTDCCC020

Tot Ion:	63	Resp:	143847
Ion Ratio	Lower	Upper	
63	100		
98	7.4	3.1	9.3
100	4.3	1.8	5.5

Manual Integrations
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MMdadoda
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#22

cis-1,2-Dichloroethene

Concen: 18.886 ug/l

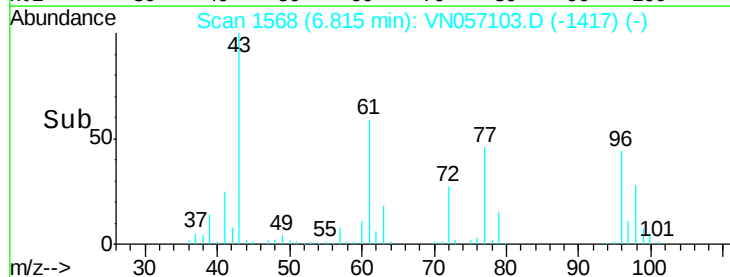
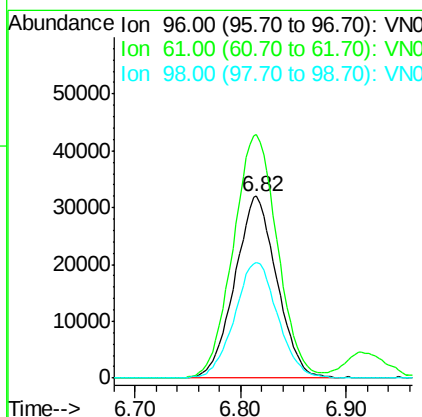
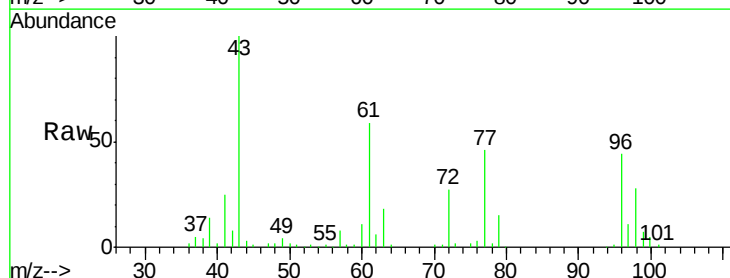
RT: 6.82 min Scan# 1568

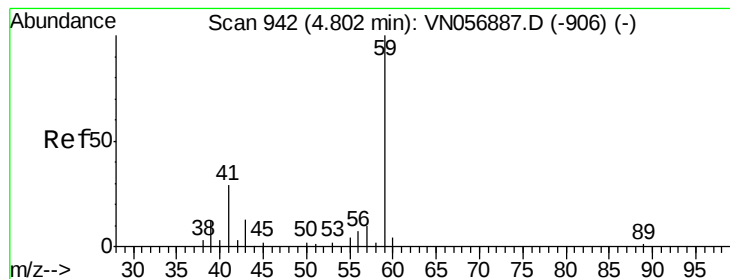
Delta R.T. -0.02 min

Lab File: VN057103.D

Acq: 6 Aug 2019 15:07

Tgt Ion:	96	Resp:	88667
Ion Ratio	Lower	Upper	
96	100		
61	140.7	111.6	167.4
98	65.2	51.0	76.4





#23

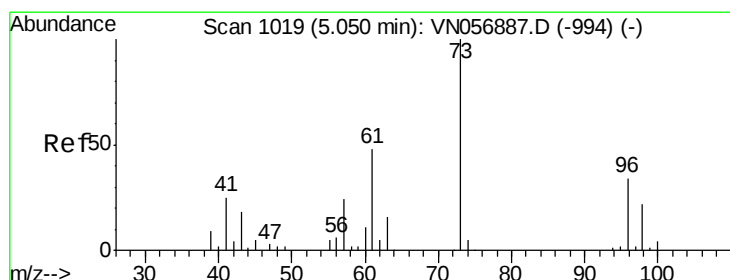
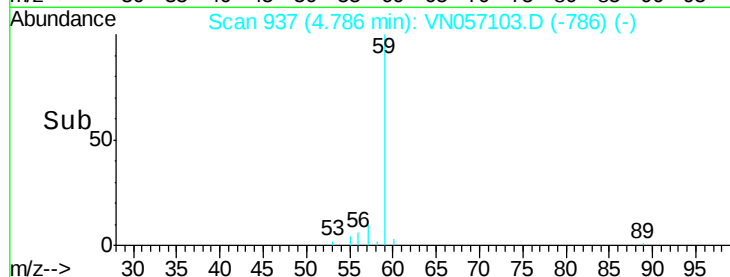
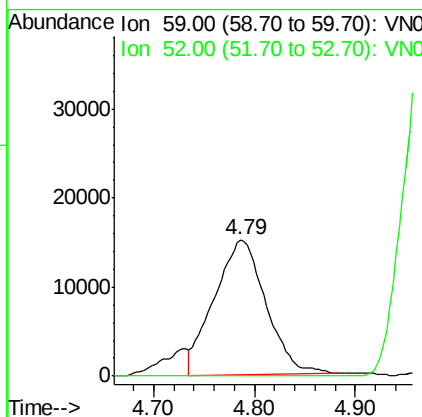
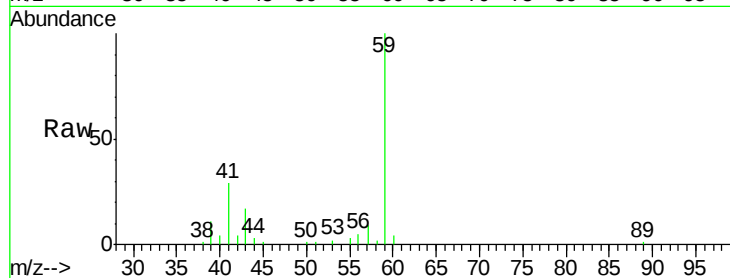
tert-Butyl Alcohol
 Concen: 89.530 ug/l
 RT: 4.79 min Scan# 937
 Delta R.T. -0.02 min
 Lab File: VN057103.D
 Acq: 6 Aug 2019 15:07

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC020

Tot Ion	59	52
Resp	53977	
Ratio	100	0.0
Lower		0.0
Upper		0.0

Manual Integrations
 APPROVED

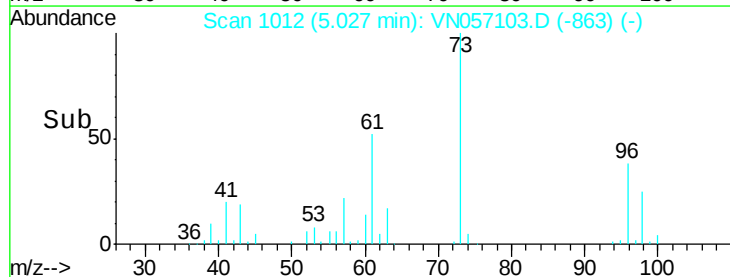
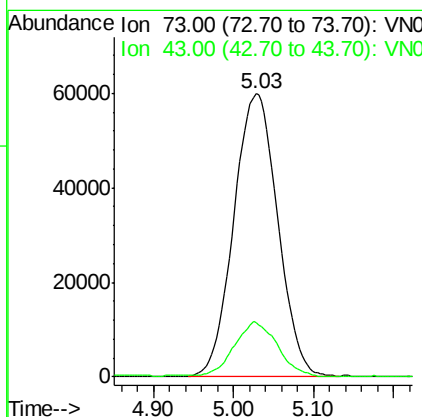
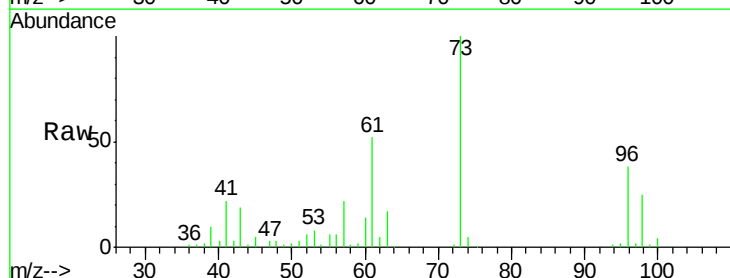
MMDadoda
 8/9/2019 12:51:36 AM

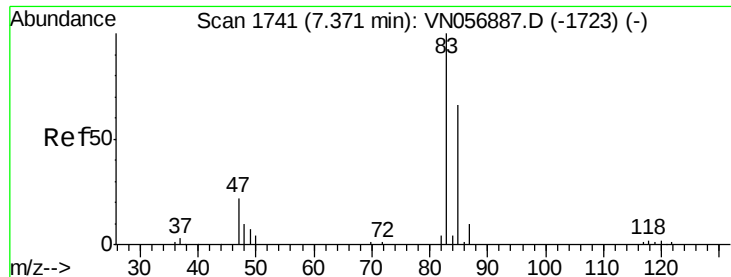


#24

Methyl tert-Butyl Ether
 Concen: 19.402 ug/l
 RT: 5.03 min Scan# 1012
 Delta R.T. -0.02 min
 Lab File: VN057103.D
 Acq: 6 Aug 2019 15:07

Tgt Ion	73	43
Resp	224531	
Ratio	100	18.5
Lower		15.4
Upper		23.0





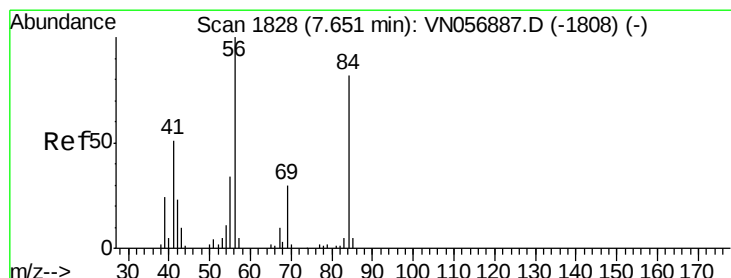
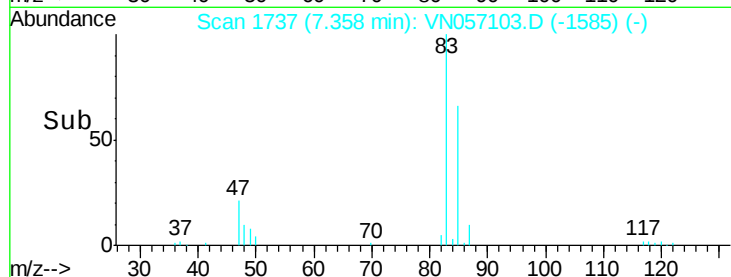
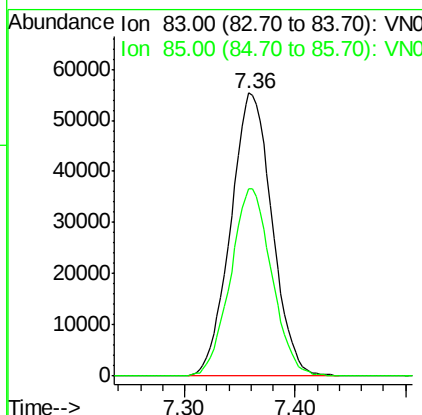
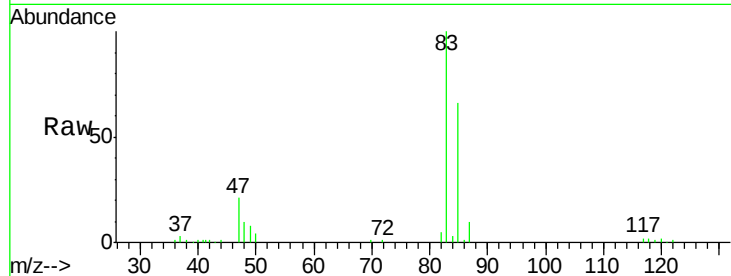
#25
Chloroform
Concen: 19.511 ug/l
RT: 7.36 min Scan# 1737
Delta R.T. -0.01 min
Lab File: VN057103.D
Acq: 6 Aug 2019 15:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	83	Resp	143855
Ion Ratio	100	Lower	Upper
83	100		
85	66.0	53.1	79.7

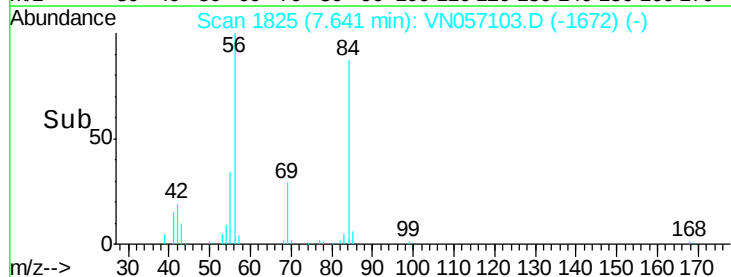
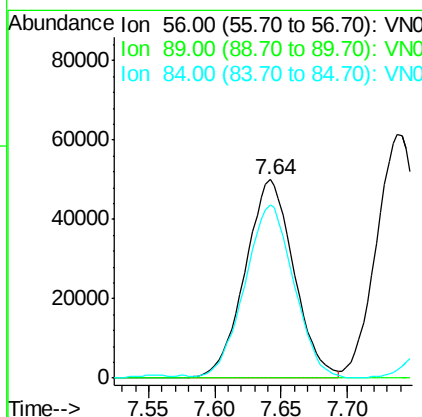
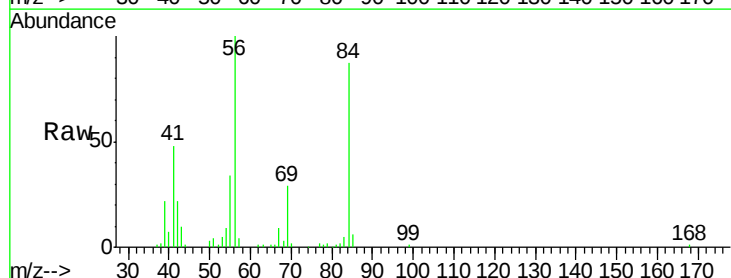
Manual Integrations
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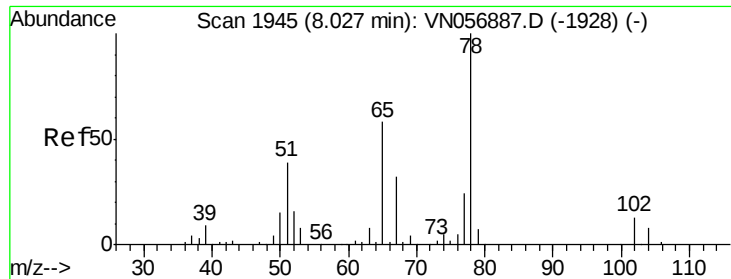
MMdadoda
8/9/2019 12:51:36 AM



#26
Cyclohexane
Concen: 18.435 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. -0.01 min
Lab File: VN057103.D
Acq: 6 Aug 2019 15:07

Tgt Ion	56	Resp	127992
Ion Ratio	100	Lower	Upper
56	100		
89	0.0	0.0	0.0
84	88.2	67.8	101.6





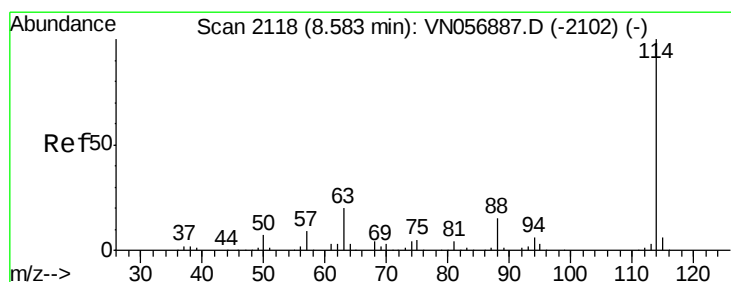
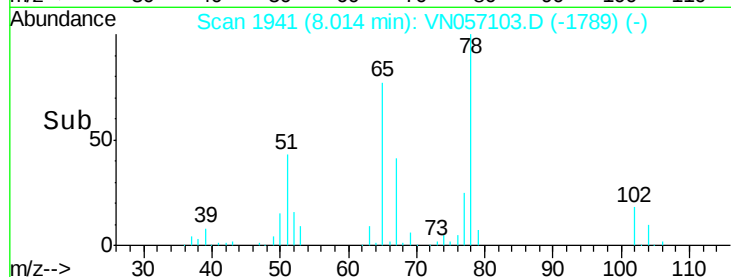
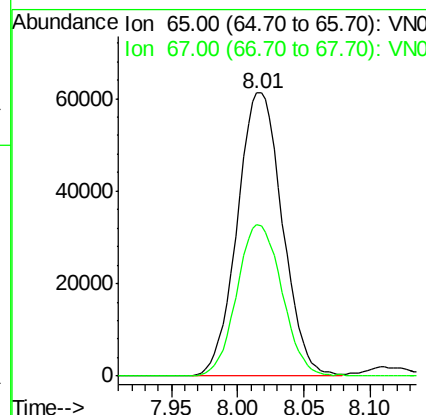
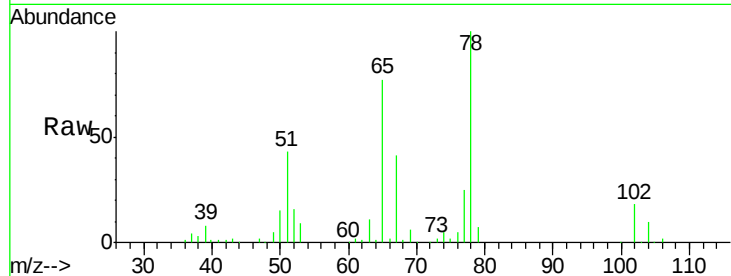
#27
 1,2-Dichloroethane-d4
 Concen: 31.004 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. -0.01 min
 Lab File: VN057103.D
 Acq: 6 Aug 2019 15:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
65	100	145478		
67	53.2	44.6	66.8	

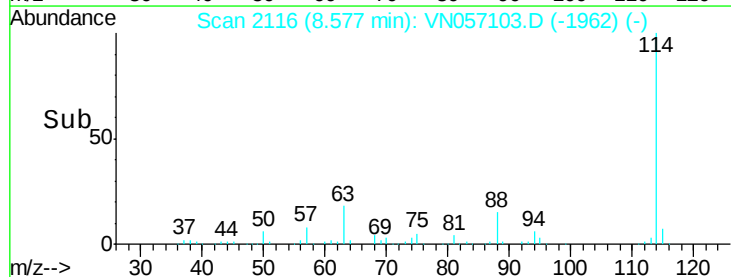
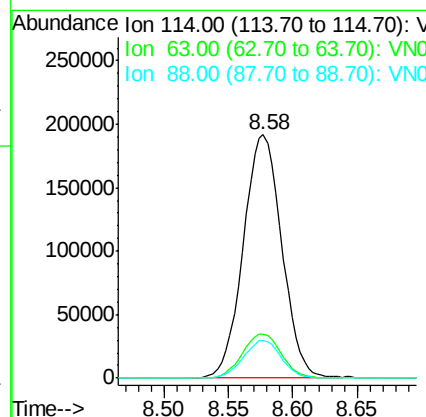
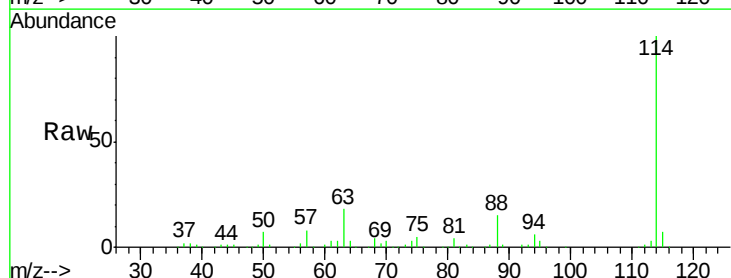
Manual Integrations
 APPROVED

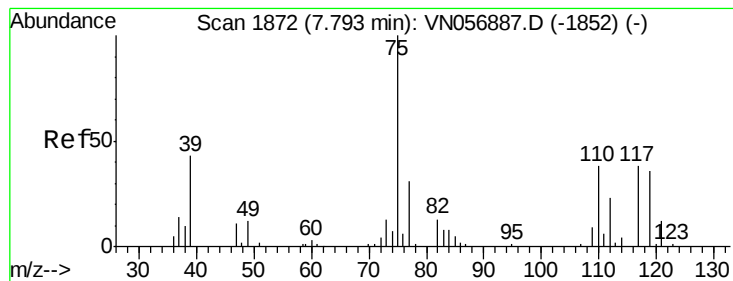
MMdadoda
 8/9/2019 12:51:36 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. -0.01 min
 Lab File: VN057103.D
 Acq: 6 Aug 2019 15:07

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	398652		
63	18.5	15.8	23.6	
88	15.3	12.5	18.7	





#29

1,1-Dichloropropene

Concen: 17.844 ug/l

RT: 7.78 min Scan# 1869

Delta R.T. -0.01 min

Lab File: VN057103.D

Acq: 6 Aug 2019 15:07

Instrument :

MSVOA_N

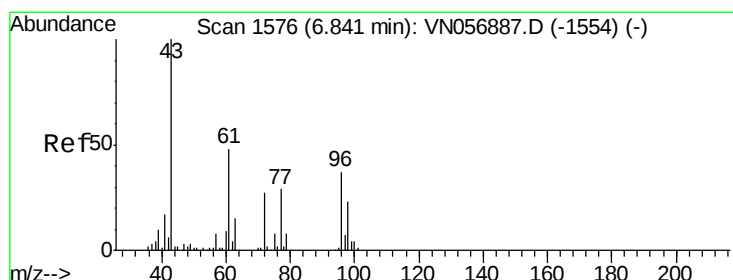
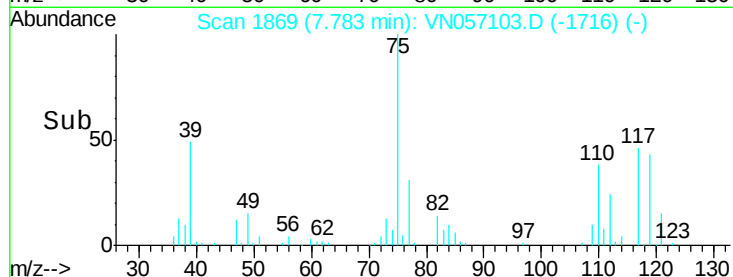
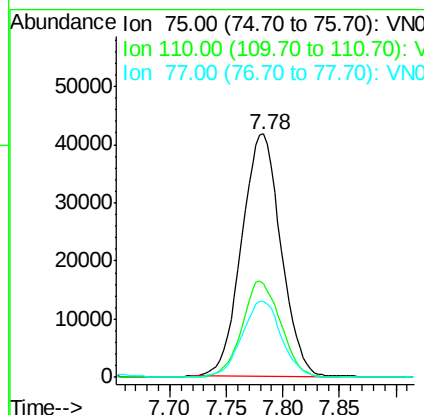
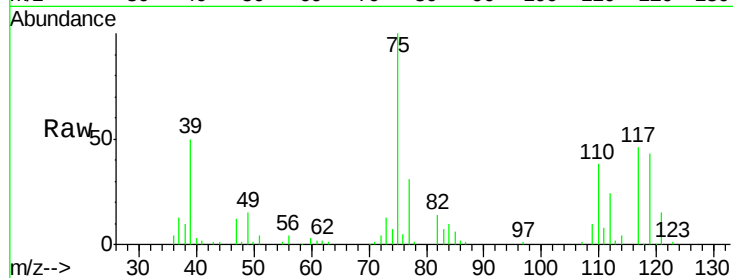
ClientSampled :

VSTDCCC020

Tot Ion:	75	Resp:	100950
Ion Ratio	Lower	Upper	
75	100		
110	38.8	0.0	75.8
77	31.3	0.0	64.0

Manual Integrations
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#30

2-Butanone

Concen: 104.275 ug/l

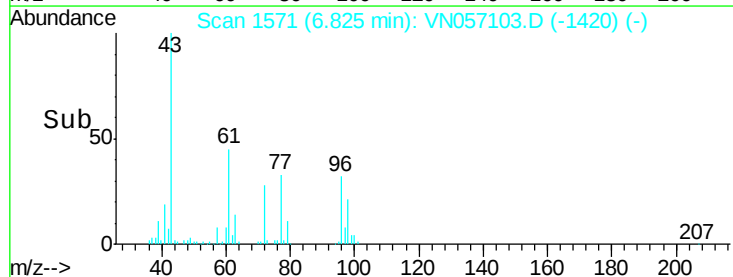
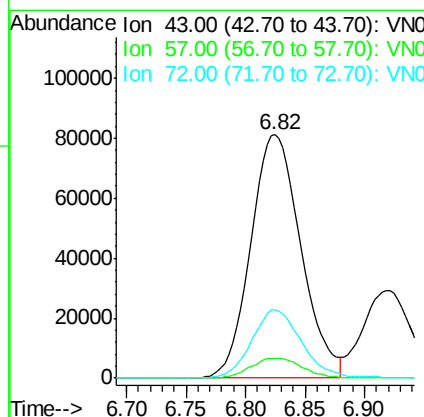
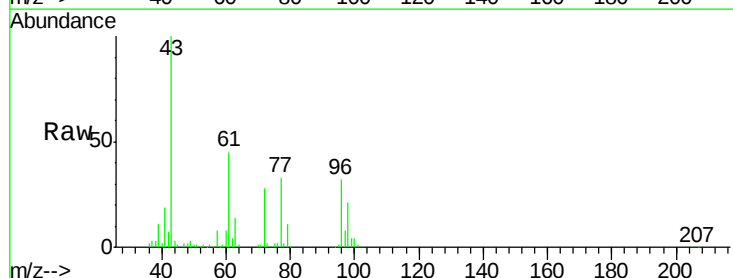
RT: 6.82 min Scan# 1571

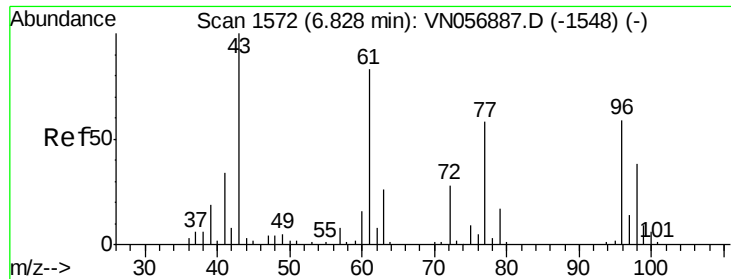
Delta R.T. -0.02 min

Lab File: VN057103.D

Acq: 6 Aug 2019 15:07

Tgt Ion:	43	Resp:	237003
Ion Ratio	Lower	Upper	
43	100		
57	8.6	6.5	9.7
72	27.8	22.1	33.1





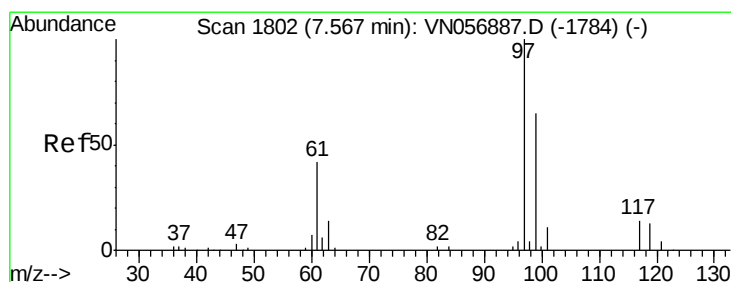
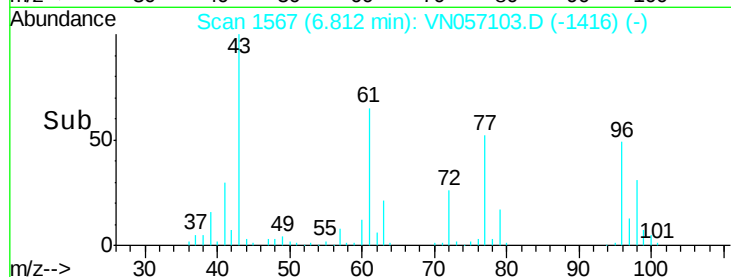
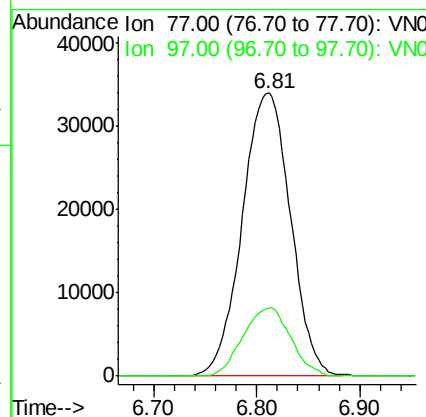
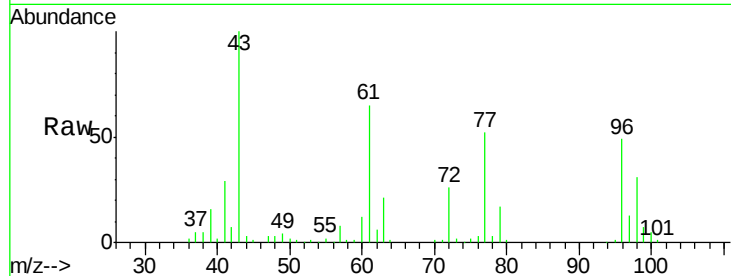
#31
 2,2-Dichloropropane
 Concen: 20.979 ug/l
 RT: 6.81 min Scan# 1567
 Delta R.T. -0.02 min
 Lab File: VN057103.D
 Acq: 6 Aug 2019 15:07

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC020

Tot Ion: 77 Resp: 110139
 Ion Ratio Lower Upper
 77 100
 97 23.9 19.3 28.9

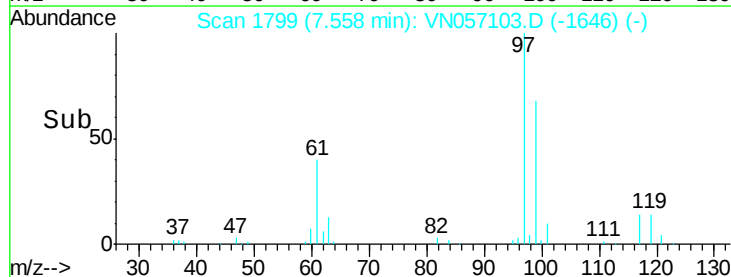
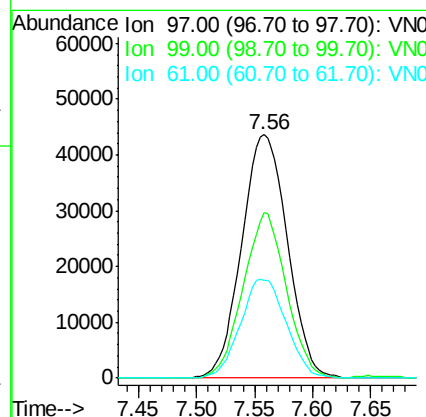
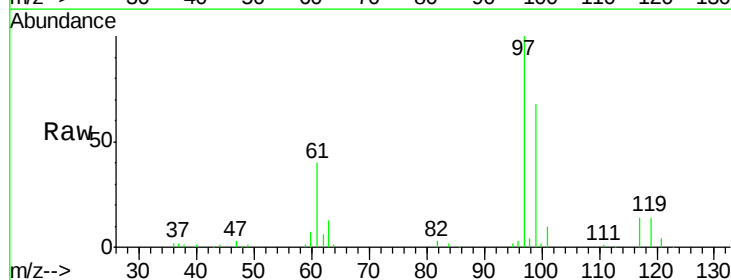
Manual Integrations
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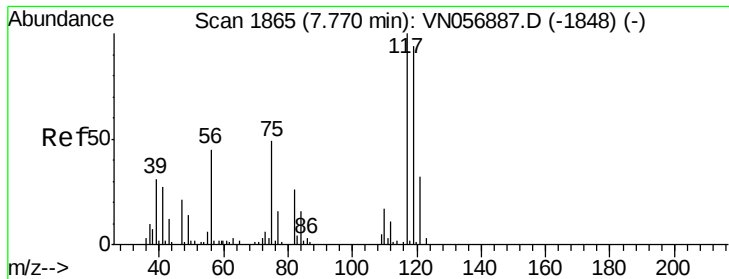
MMdadoda
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#32
 1,1,1-Trichloroethane
 Concen: 19.283 ug/l
 RT: 7.56 min Scan# 1799
 Delta R.T. -0.01 min
 Lab File: VN057103.D
 Acq: 6 Aug 2019 15:07

Tgt Ion: 97 Resp: 119865
 Ion Ratio Lower Upper
 97 100
 99 64.1 52.3 78.5
 61 40.6 34.4 51.6





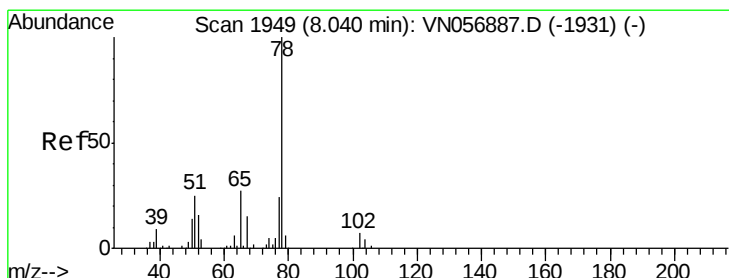
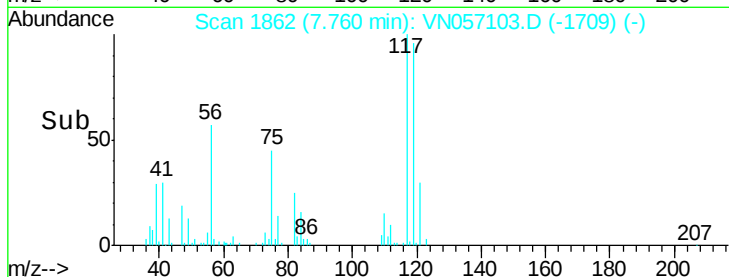
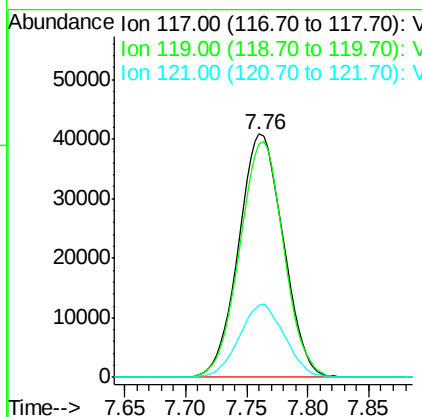
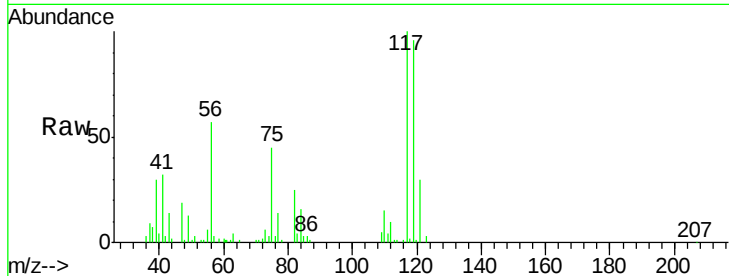
#33
Carbon Tetrachloride
Concen: 19.088 ug/l
RT: 7.76 min Scan# 1862
Delta R.T. -0.01 min
Lab File: VN057103.D
Acq: 6 Aug 2019 15:07

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
117	100	103557		
119	95.9	75.1	112.7	
121	29.6	25.8	38.8	

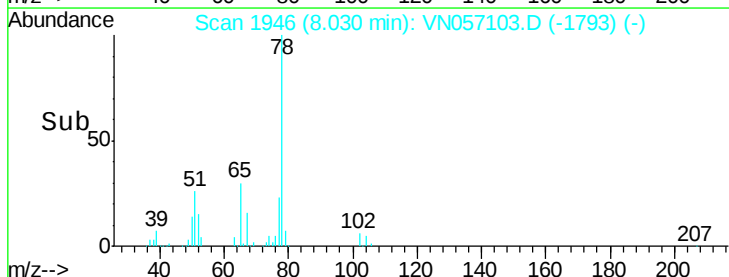
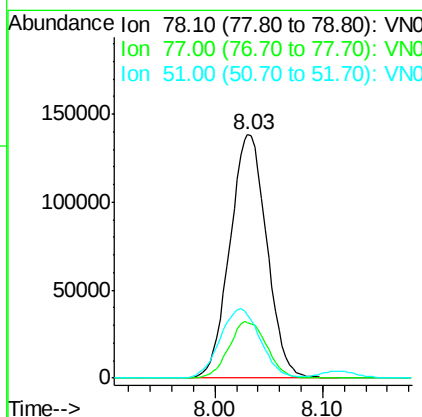
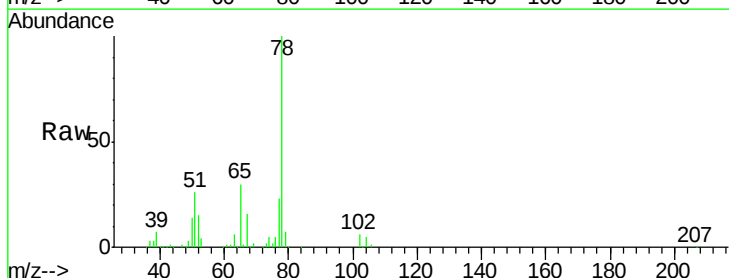
Manual Integrations
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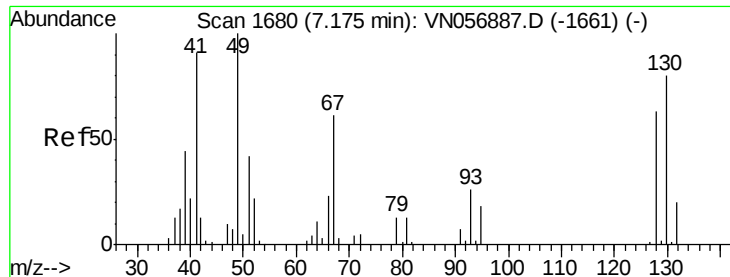
MMdadoda
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#34
Benzene
Concen: 18.488 ug/l
RT: 8.03 min Scan# 1946
Delta R.T. -0.01 min
Lab File: VN057103.D
Acq: 6 Aug 2019 15:07

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	329545		
77	22.9	19.4	29.2	
51	25.6	20.4	30.6	





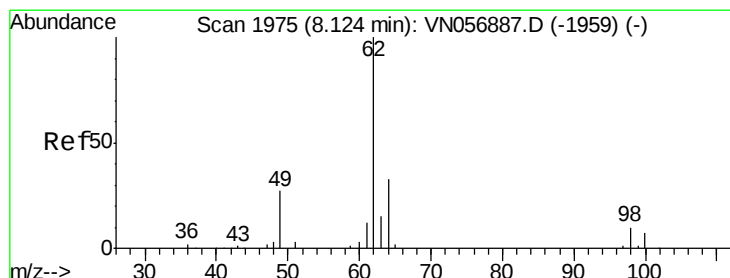
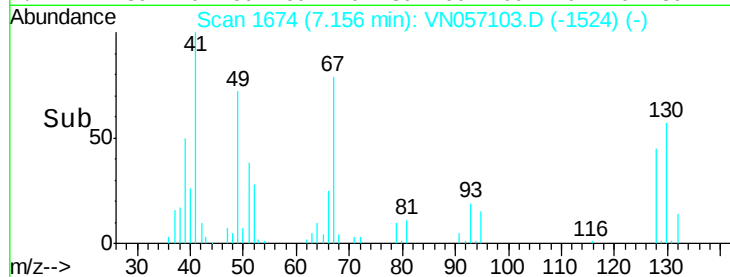
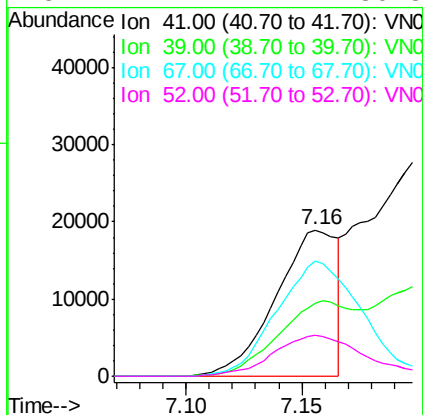
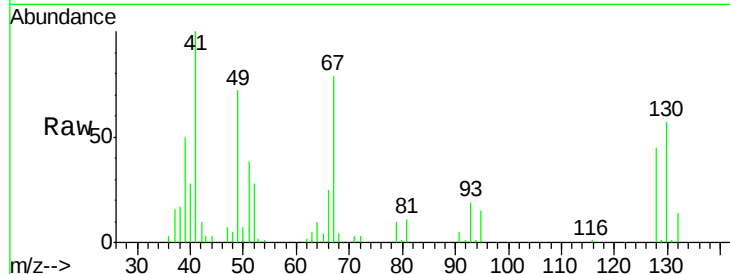
#35
Methacrylonitrile
Concen: 15.377 ug/l
RT: 7.16 min Scan# 1674
Delta R.T. -0.02 min
Lab File: VN057103.D
Acq: 6 Aug 2019 15:07

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

Tot Ion:	41	Resp:	34903
Ion	Ratio	Lower	Upper
41	100		
39	49.5	24.4	73.2
67	78.9	33.4	100.1
52	27.7	12.1	36.3

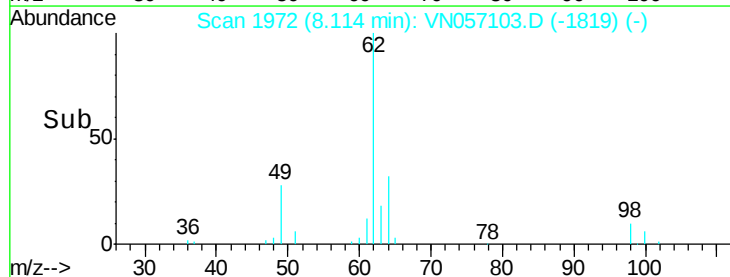
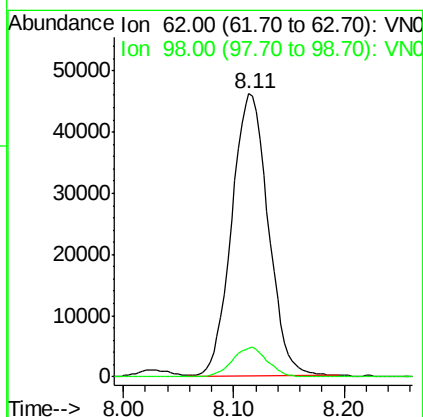
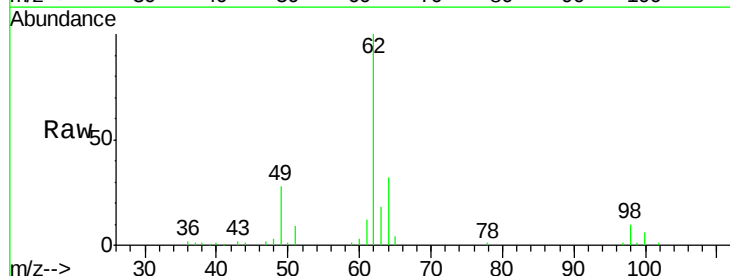
Manual Integrations
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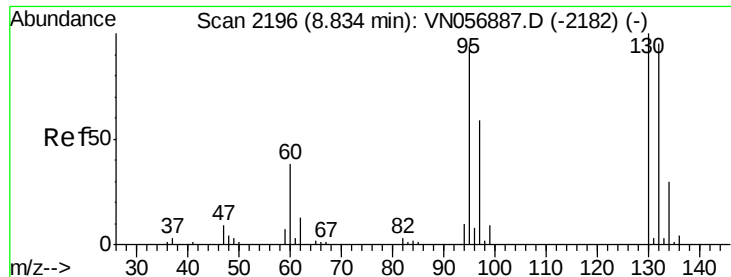
MMDadoda
8/9/2019 12:51:36 AM



#36
1,2-Dichloroethane
Concen: 19.137 ug/l
RT: 8.11 min Scan# 1972
Delta R.T. -0.01 min
Lab File: VN057103.D
Acq: 6 Aug 2019 15:07

Tgt Ion:	62	Resp:	106049
Ion	Ratio	Lower	Upper
62	100		
98	10.0	7.7	11.5





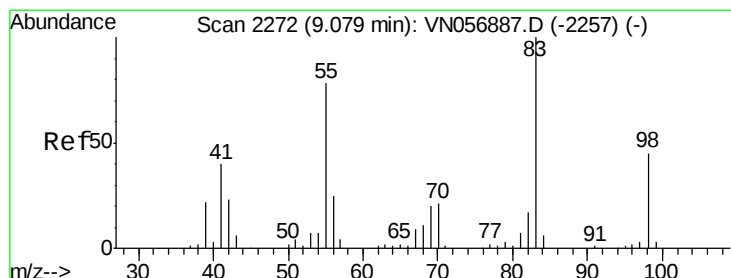
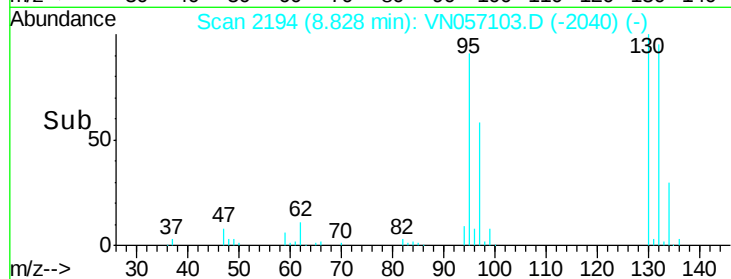
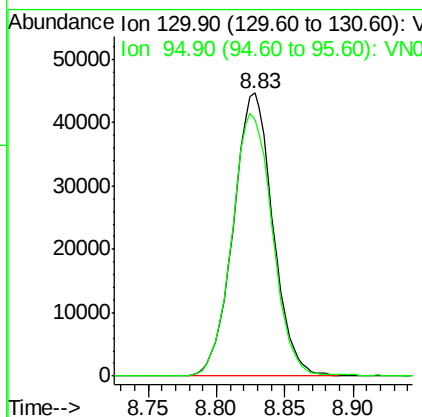
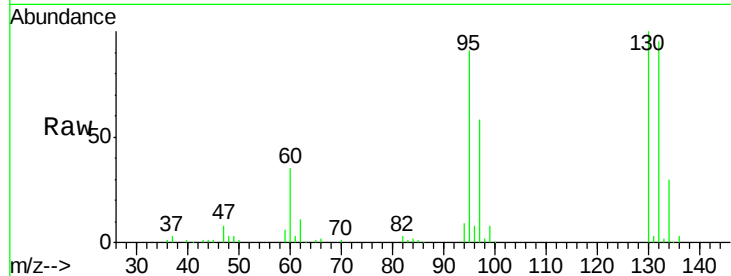
#37
 Trichloroethene
 Concen: 18.815 ug/l
 RT: 8.83 min Scan# 2194
 Delta R.T. -0.01 min
 Lab File: VN057103.D
 Acq: 6 Aug 2019 15:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion:130 Resp: 89916
 Ion Ratio Lower Upper
 130 100
 95 90.4 74.9 112.3

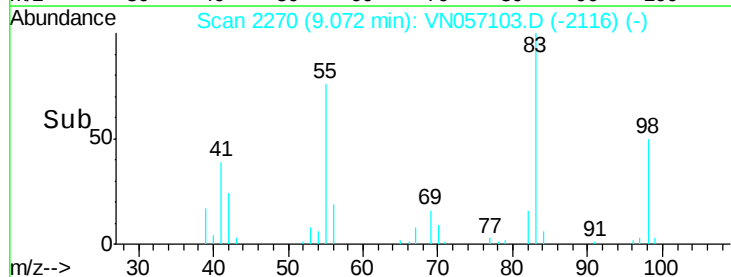
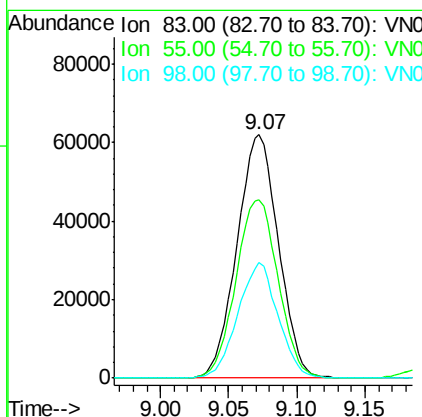
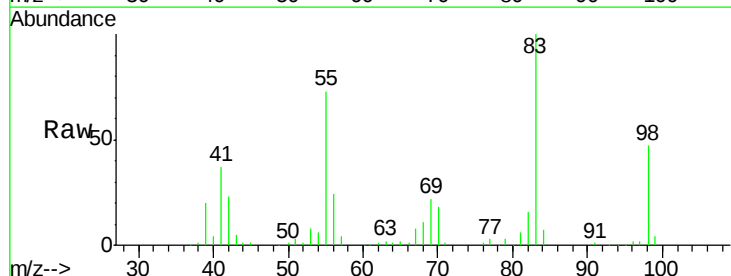
Manual Integrations
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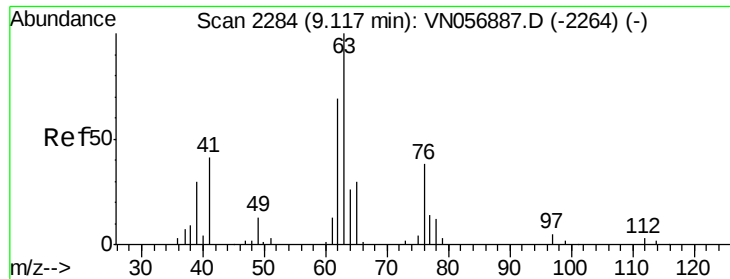
MMdadoda
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#38
 Methylcyclohexane
 Concen: 18.210 ug/l
 RT: 9.07 min Scan# 2270
 Delta R.T. -0.01 min
 Lab File: VN057103.D
 Acq: 6 Aug 2019 15:07

Tgt Ion: 83 Resp: 131044
 Ion Ratio Lower Upper
 83 100
 55 74.6 38.4 115.1
 98 45.9 22.7 68.0





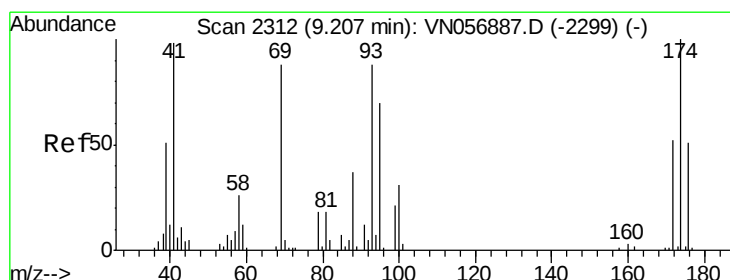
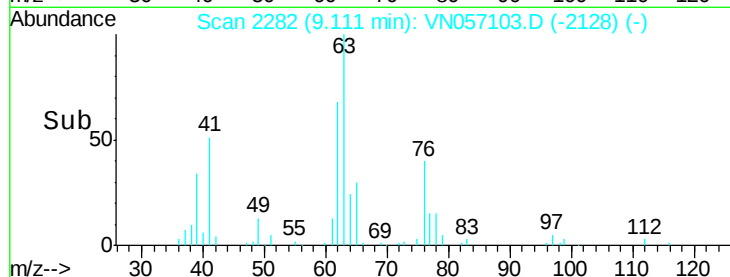
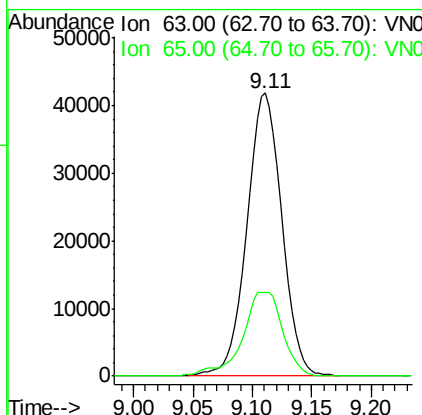
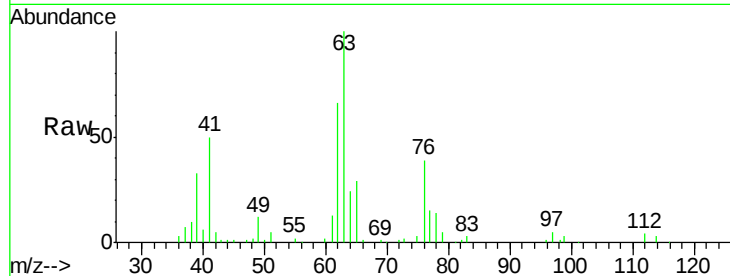
#39
 1,2-Dichloropropane
 Concen: 17.902 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. -0.01 min
 Lab File: VN057103.D
 Acq: 6 Aug 2019 15:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	63	Resp	85177
Ion Ratio	100	Lower	Upper
63	100		
65	29.5	24.6	36.8

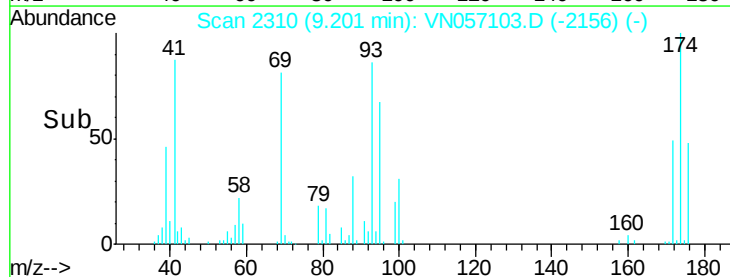
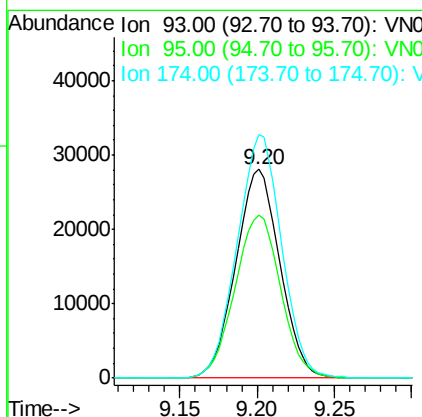
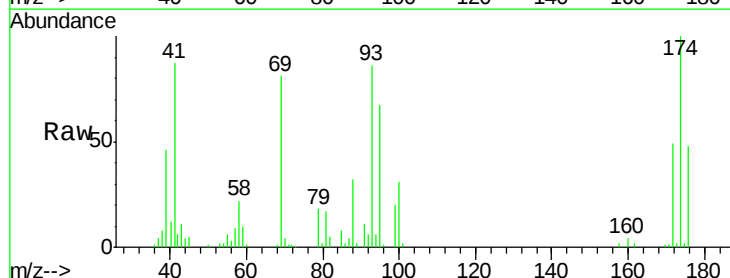
Manual Integrations
 APPROVED

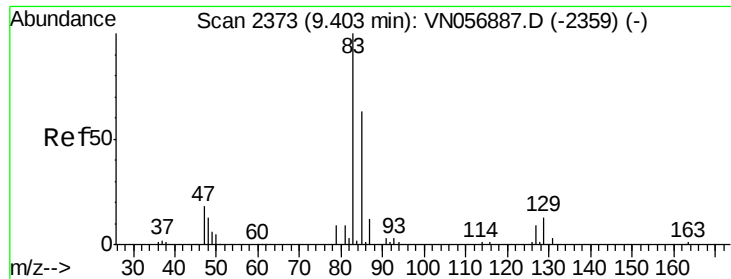
MMdadoda
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#40
 Dibromomethane
 Concen: 19.124 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.01 min
 Lab File: VN057103.D
 Acq: 6 Aug 2019 15:07

Tgt Ion	93	Resp	55821
Ion Ratio	100	Lower	Upper
93	100		
95	80.9	0.0	165.8
174	117.4	0.0	232.4





#41

Bromodichloromethane

Concen: 18.285 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. -0.01 min

Lab File: VN057103.D

Acq: 6 Aug 2019 15:07

Instrument :

MSVOA_N

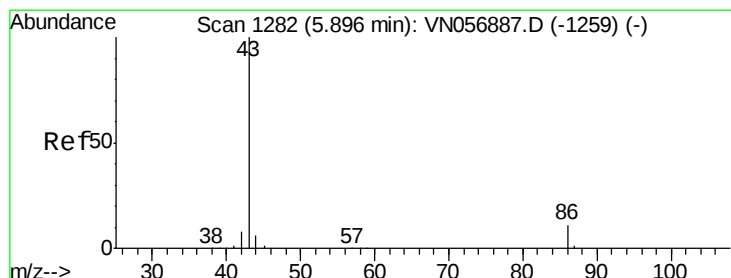
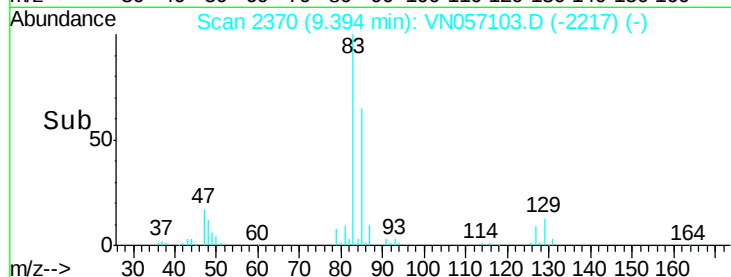
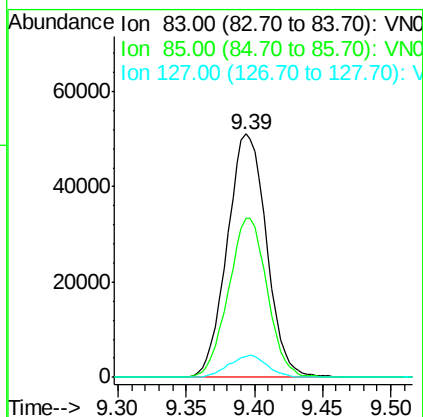
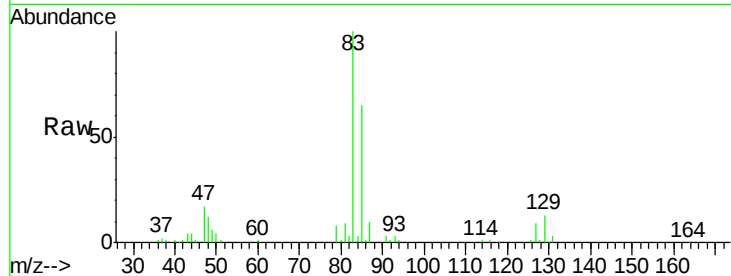
ClientSampleId :

VSTDCCC020

Tot Ion:	83	Resp:	102560
Ion	Ratio	Lower	Upper
83	100		
85	65.1	50.6	75.8
127	8.8	7.2	10.8

Manual Integrations
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MMdadoda
8/9/2019 12:51:36 AM



#42

Vinyl Acetate

Concen: 88.742 ug/l

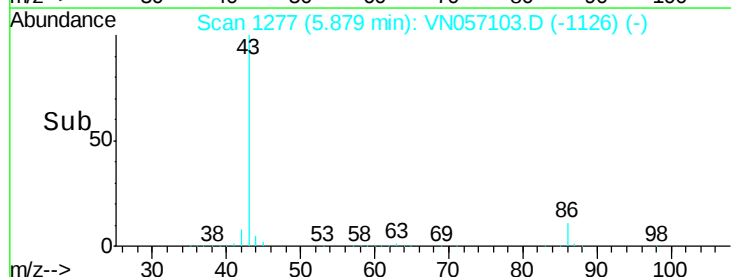
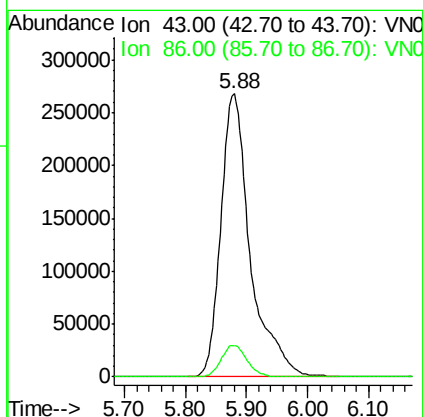
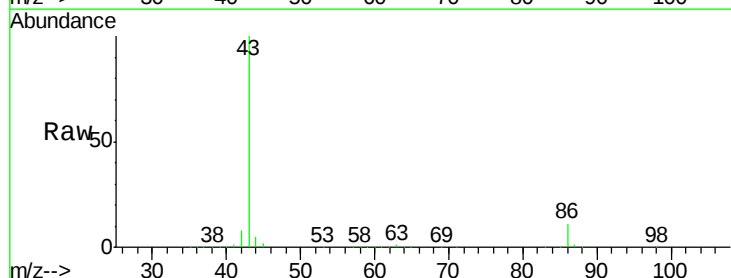
RT: 5.88 min Scan# 1277

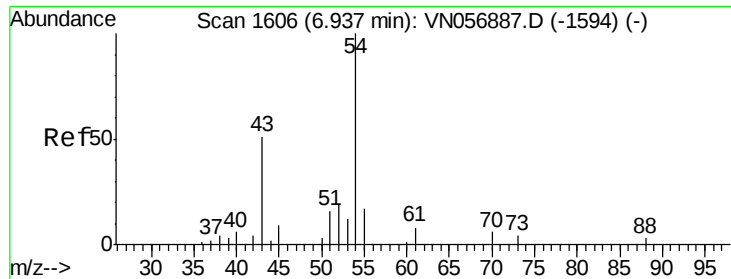
Delta R.T. -0.02 min

Lab File: VN057103.D

Acq: 6 Aug 2019 15:07

Tgt Ion:	43	Resp:	898237
Ion	Ratio	Lower	Upper
43	100		
86	9.8	7.4	11.2





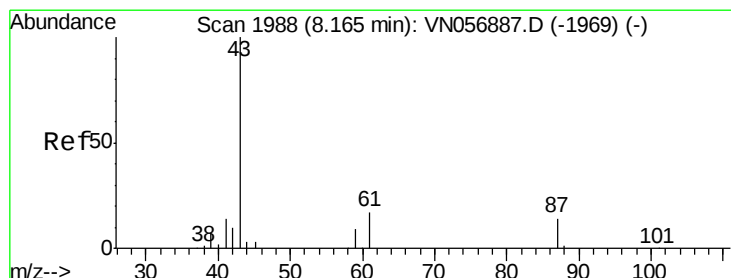
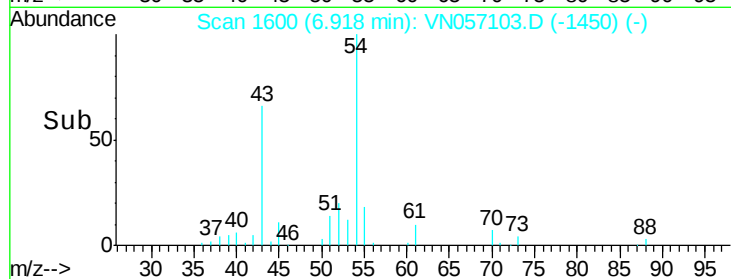
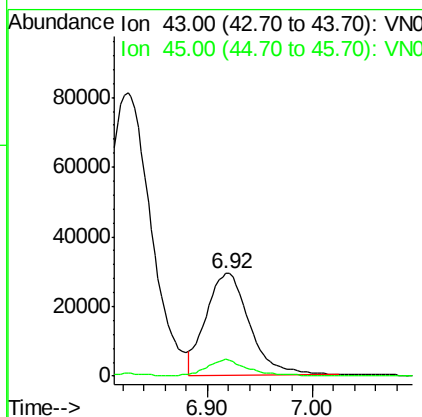
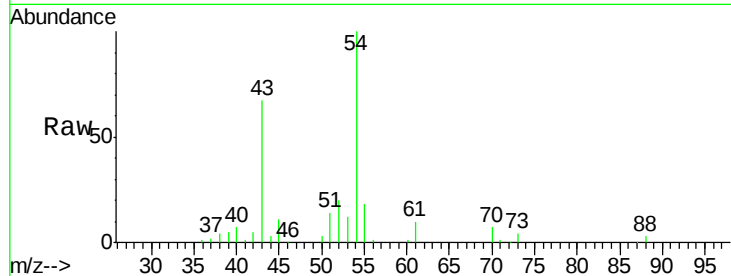
#43
Ethyl Acetate
Concen: 17.900 ug/l
RT: 6.92 min Scan# 1600
Delta R.T. -0.02 min
Lab File: VN057103.D
Acq: 6 Aug 2019 15:07

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

Tot Ion: 43 Resp: 83403
Ion Ratio Lower Upper
43 100
45 16.0 10.2 15.2#

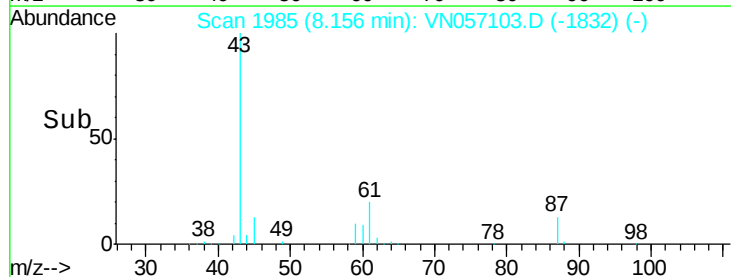
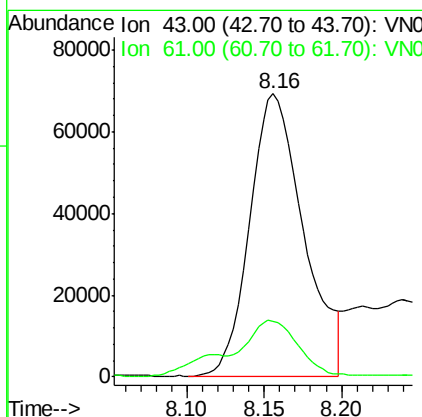
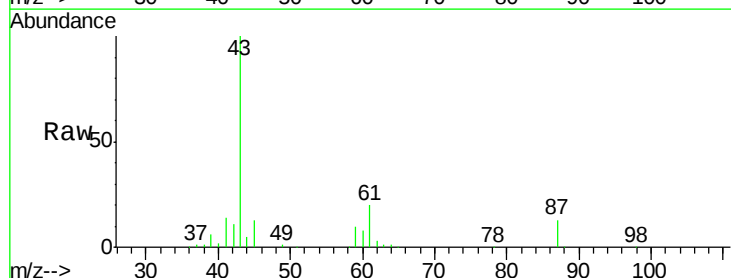
Manual Integrations
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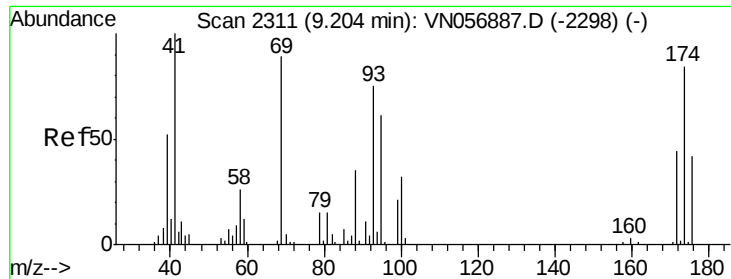
MMdadoda
8/9/2019 12:51:36 AM



#44
Isopropyl Acetate
Concen: 21.568 ug/l
RT: 8.16 min Scan# 1985
Delta R.T. -0.01 min
Lab File: VN057103.D
Acq: 6 Aug 2019 15:07

Tgt Ion: 43 Resp: 167514
Ion Ratio Lower Upper
43 100
61 18.1 23.0 34.4#





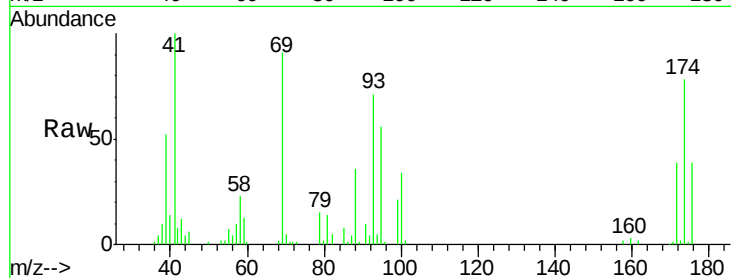
#45
 1,4-Dioxane
 Concen: 388.699 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. -0.01 min
 Lab File: VN057103.D
 Acq: 6 Aug 2019 15:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

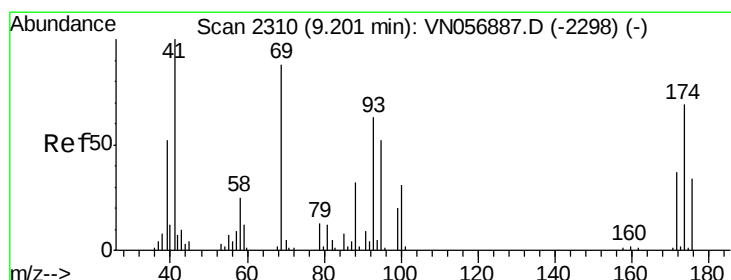
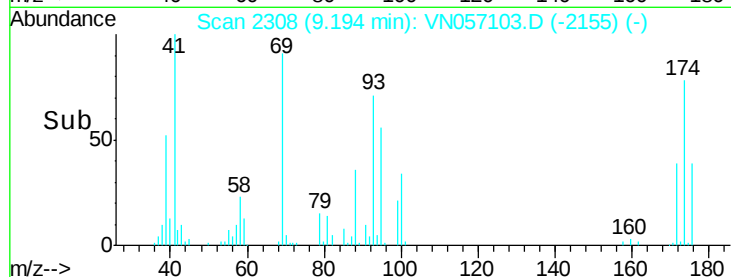
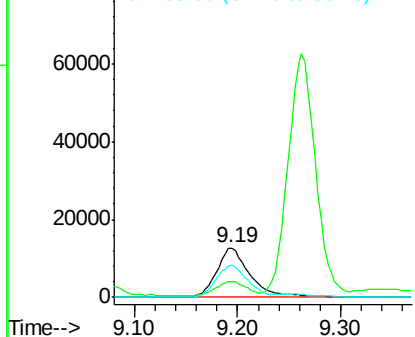
Tot Ion	Ratio	Lower	Upper
88	100		
43	28.6	23.4	35.0
58	63.1	58.5	87.7

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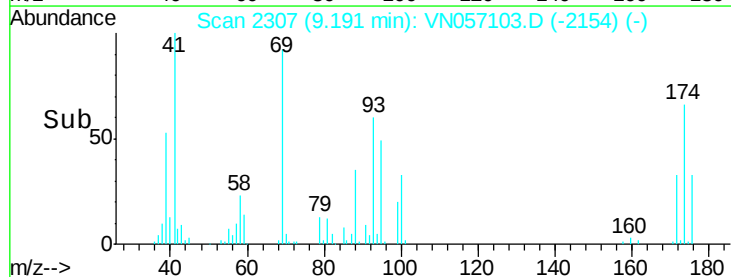
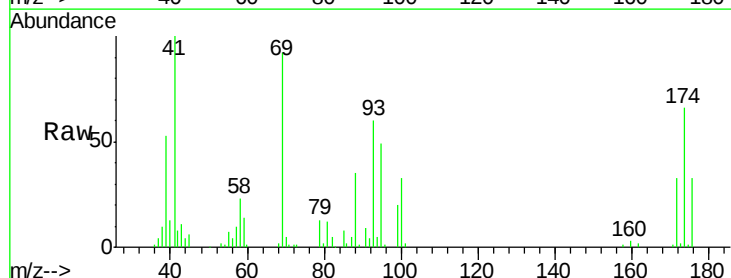
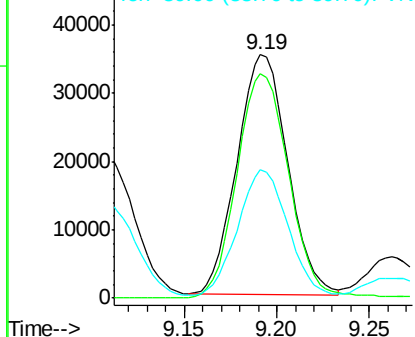
Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

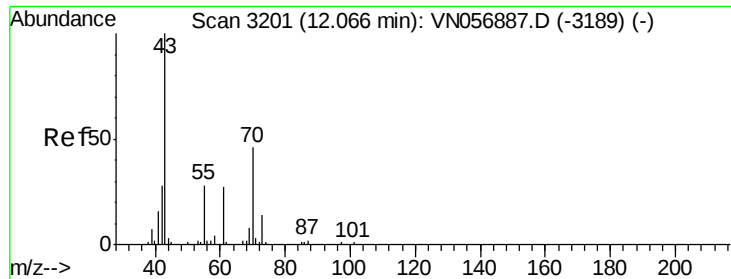


#46
 Methyl methacrylate
 Concen: 17.202 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.01 min
 Lab File: VN057103.D
 Acq: 6 Aug 2019 15:07

Tgt Ion	Ratio	Lower	Upper
41	100		
69	94.0	44.0	132.0
39	52.4	25.8	77.4

Abundance Ion 41.00 (40.70 to 41.70): VN0
 Ion 69.00 (68.70 to 69.70): VN0
 Ion 39.00 (38.70 to 39.70): VN0





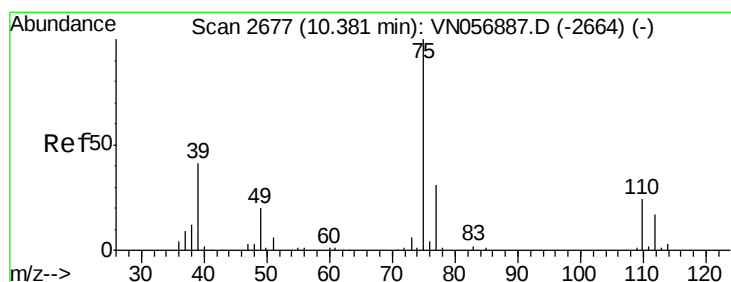
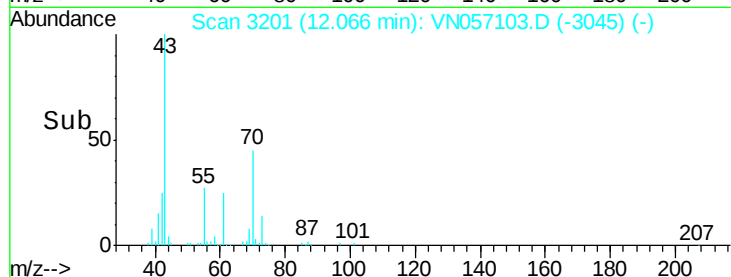
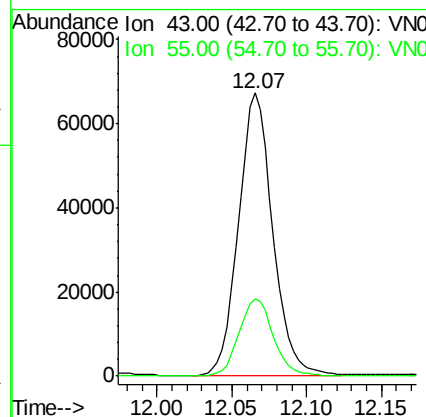
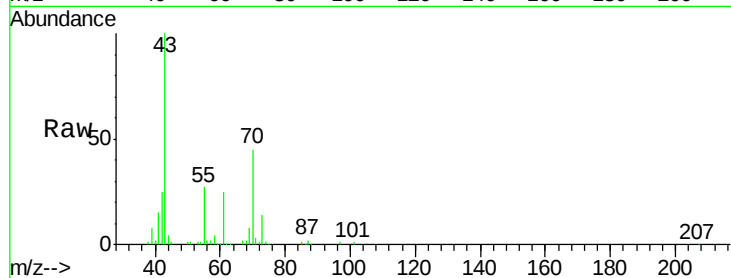
#47
n-amvl Acetate
Concen: 17.165 ug/l
RT: 12.07 min Scan# 3201
Delta R.T. -0.00 min
Lab File: VN057103.D
Acq: 6 Aug 2019 15:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	43	Resp	106720
Ion Ratio	43	100	Lower Upper
	55	27.6	21.3 31.9

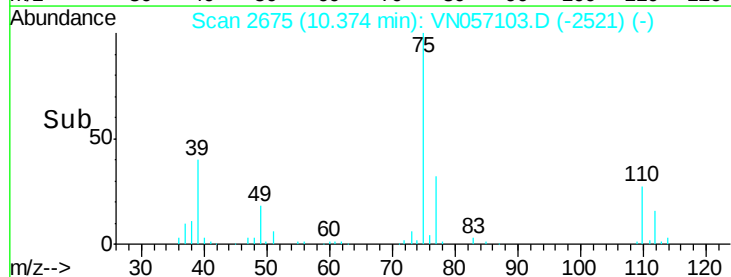
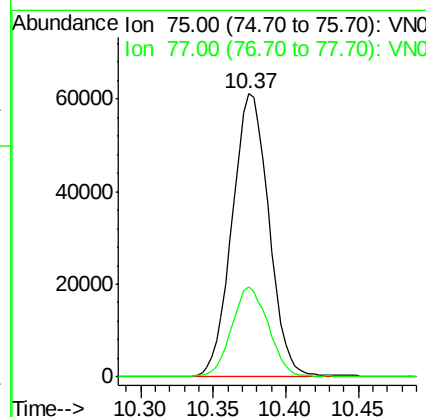
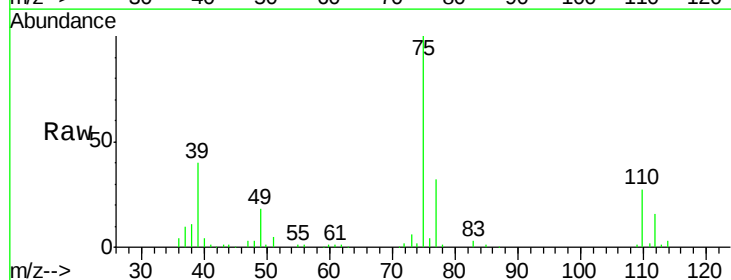
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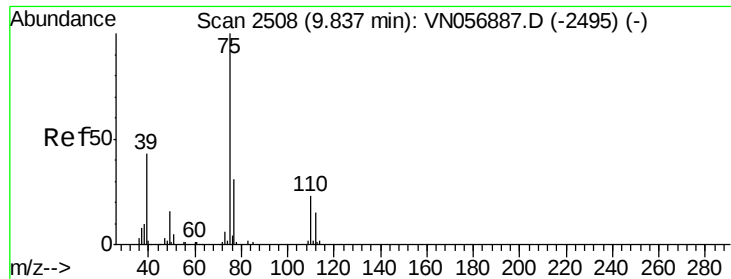
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#48
t-1,3-Dichloropropene
Concen: 18.477 ug/l
RT: 10.37 min Scan# 2675
Delta R.T. -0.01 min
Lab File: VN057103.D
Acq: 6 Aug 2019 15:07

Tgt Ion	75	Resp	107845
Ion Ratio	75	100	Lower Upper
	77	31.8	25.4 38.0





#49

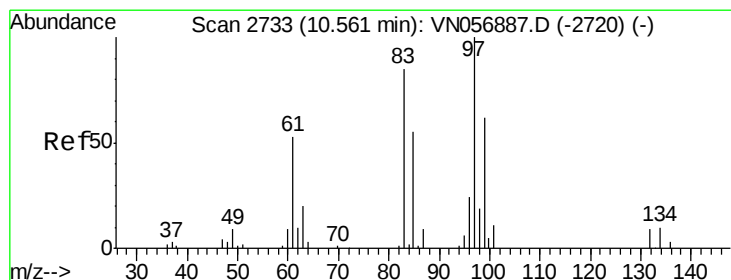
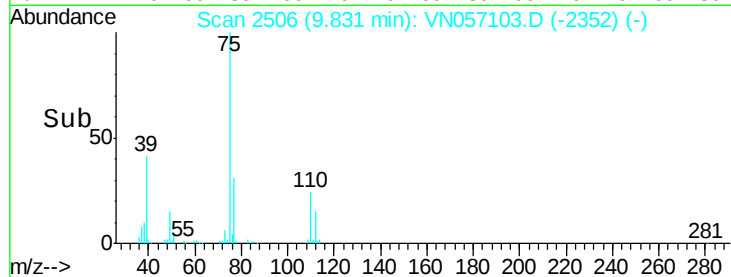
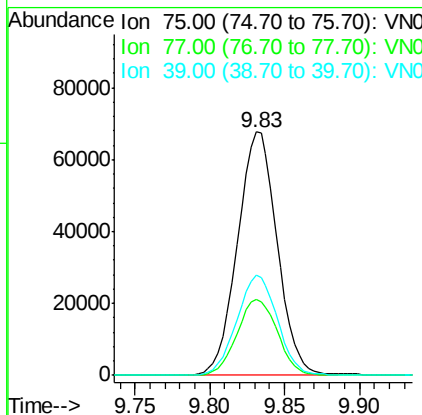
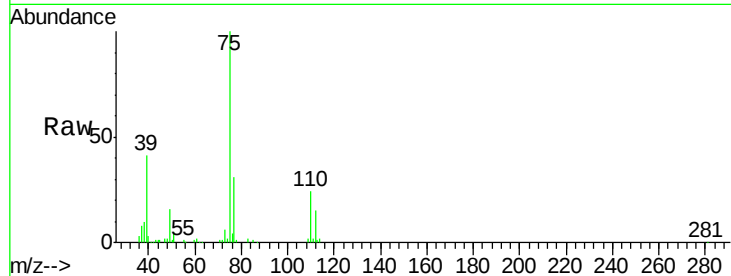
cis-1,3-Dichloropropene
Concen: 18.341 ug/l
RT: 9.83 min Scan# 2506
Delta R.T. -0.01 min
Lab File: VN057103.D
Acq: 6 Aug 2019 15:07

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

Tot Ion:	75	Resp:	124744
Ion Ratio	Lower	Upper	
75	100		
77	31.2	24.4	36.6
39	41.2	34.2	51.4

Manual Integrations
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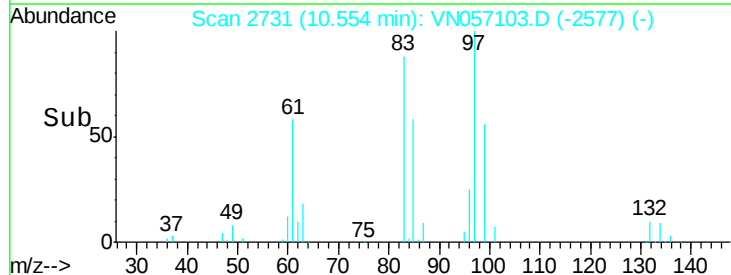
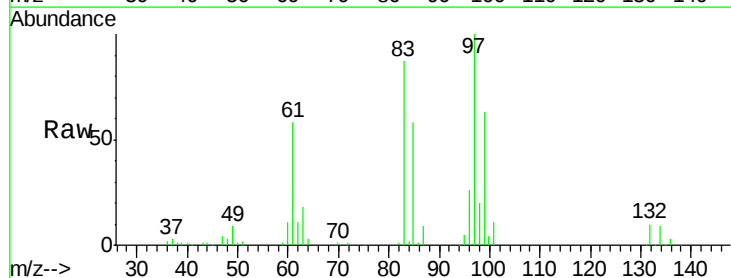
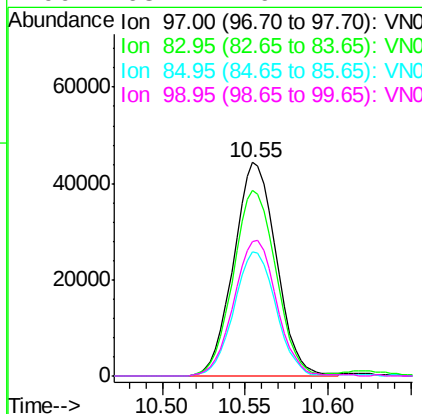
MMdadoda
8/9/2019 12:51:36 AM

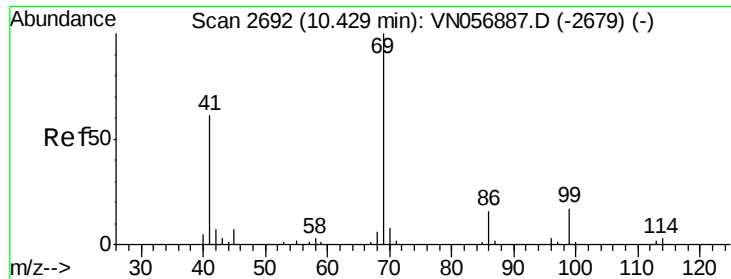


#50

1,1,2-Trichloroethane
Concen: 18.962 ug/l
RT: 10.55 min Scan# 2731
Delta R.T. -0.01 min
Lab File: VN057103.D
Acq: 6 Aug 2019 15:07

Tgt Ion:	97	Resp:	79467
Ion Ratio	Lower	Upper	
97	100		
83	87.0	68.4	102.6
85	58.1	44.3	66.5
99	63.2	49.4	74.2





#51

Ethyl methacrylate

Concen: 18.256 ug/l

RT: 10.42 min Scan# 2690

Delta R.T. -0.01 min

Lab File: VN057103.D

Acq: 6 Aug 2019 15:07

Instrument :

MSVOA_N

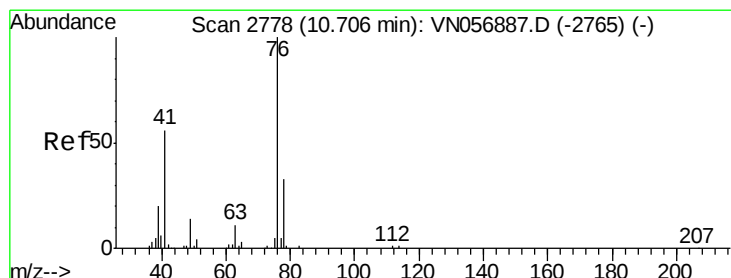
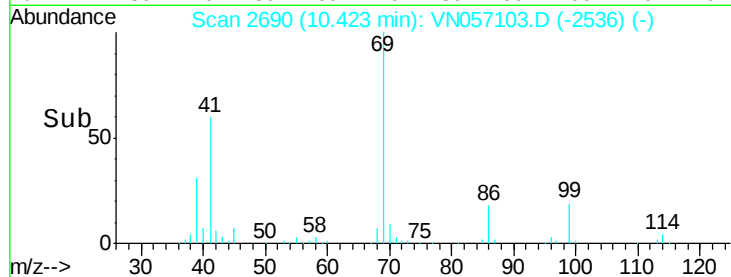
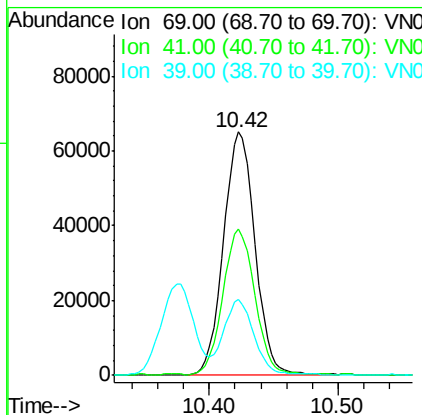
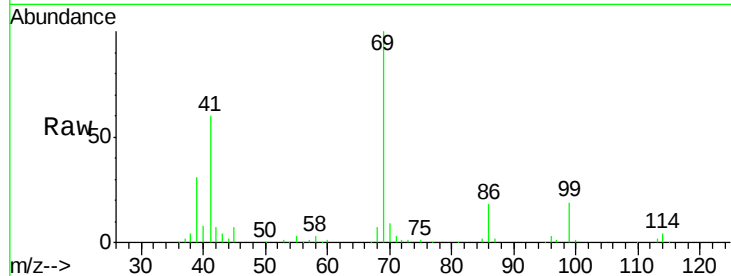
ClientSampled :

VSTDCCC020

Tot Ion:	69	Resp:	110660
Ion	Ratio	Lower	Upper
69	100		
41	59.5	30.4	91.3
39	31.0	14.2	42.6

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 18.912 ug/l

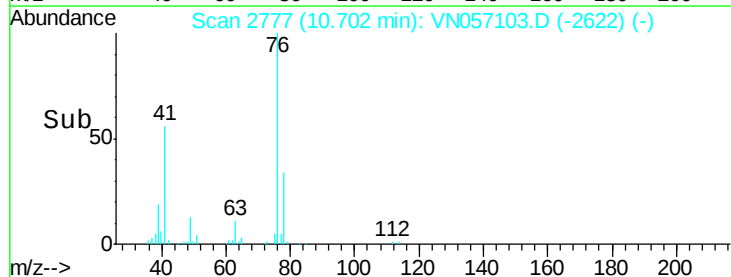
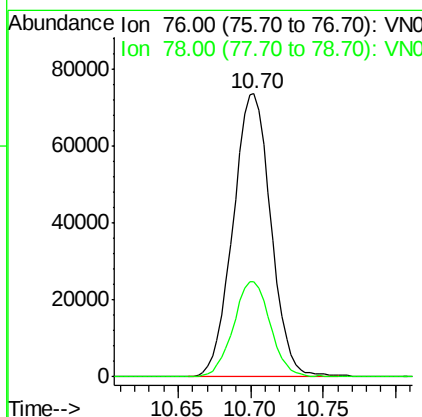
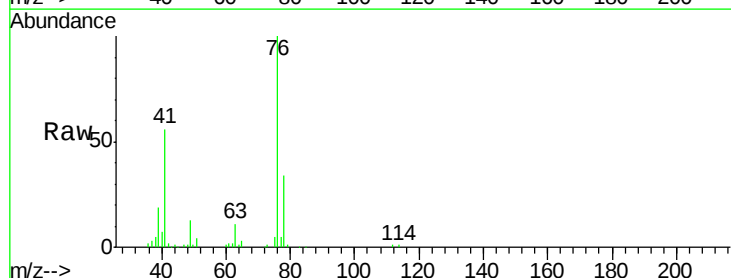
RT: 10.70 min Scan# 2777

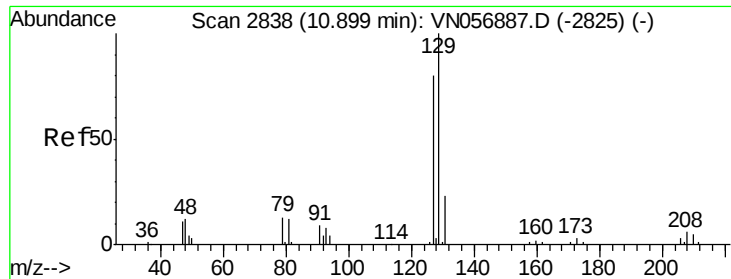
Delta R.T. -0.00 min

Lab File: VN057103.D

Acq: 6 Aug 2019 15:07

Tgt Ion:	76	Resp:	133760
Ion	Ratio	Lower	Upper
76	100		
78	32.7	0.0	64.2





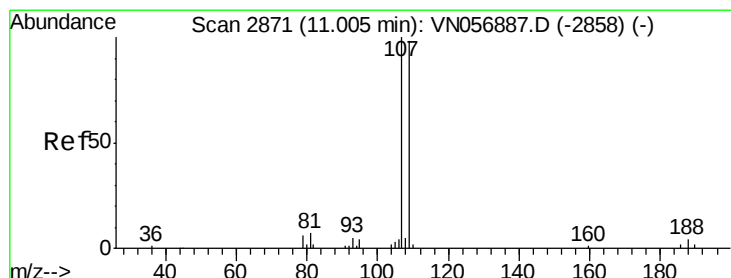
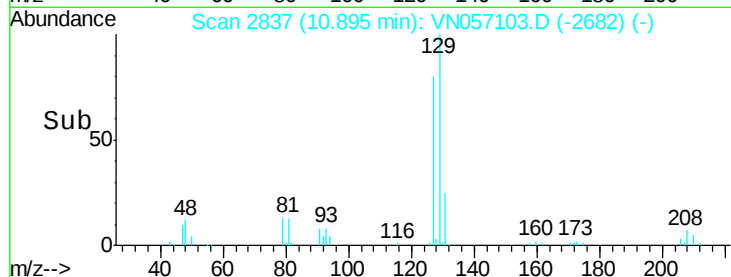
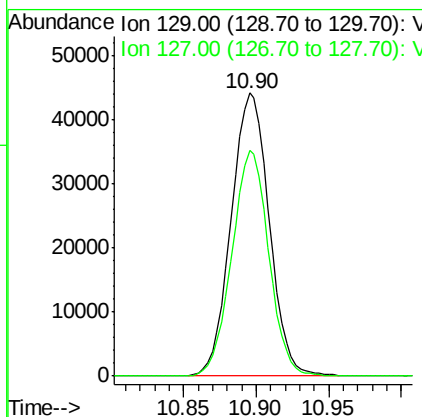
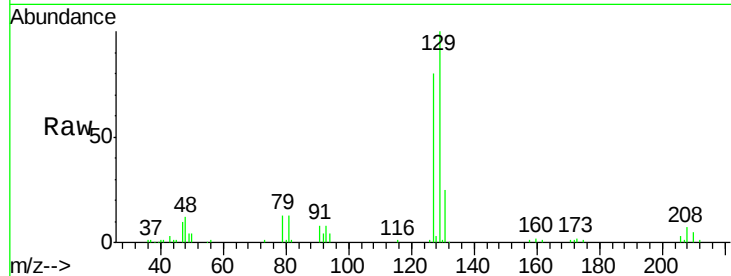
#53
 Dibromochloromethane
 Concen: 18.532 ug/l
 RT: 10.90 min Scan# 2837
 Delta R.T. -0.00 min
 Lab File: VN057103.D
 Acq: 6 Aug 2019 15:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
129	100		
127	77.2	38.8	116.4

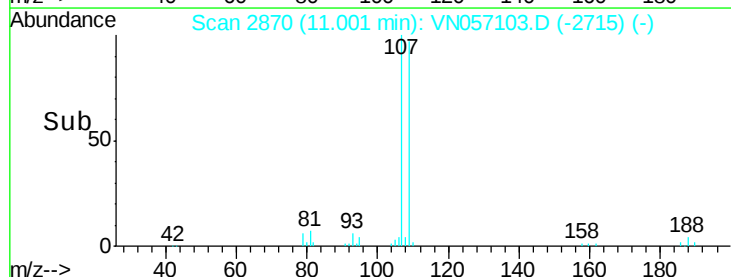
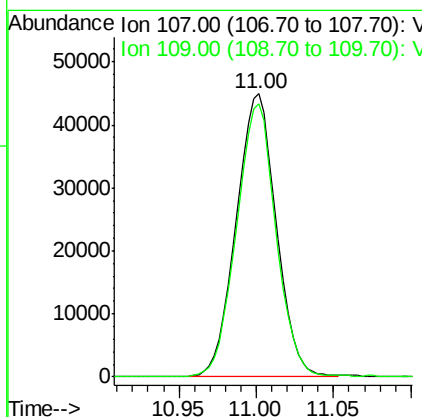
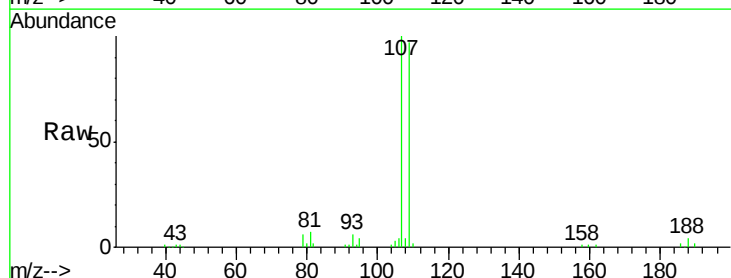
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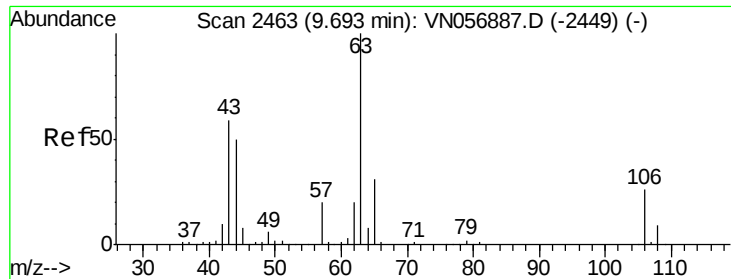
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#54
 1,2-Dibromoethane
 Concen: 18.929 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. -0.00 min
 Lab File: VN057103.D
 Acq: 6 Aug 2019 15:07

Tgt Ion	Ratio	Lower	Upper
107	100		
109	95.2	76.2	114.2





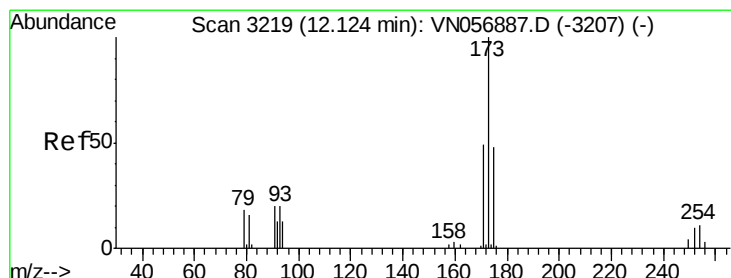
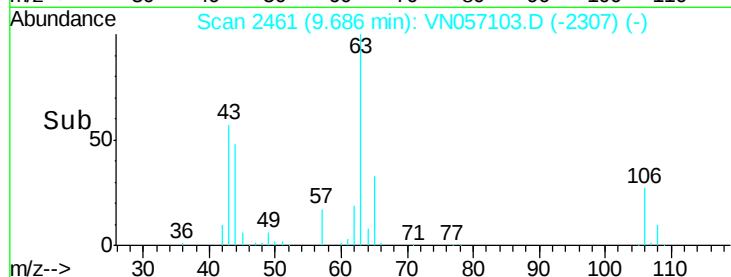
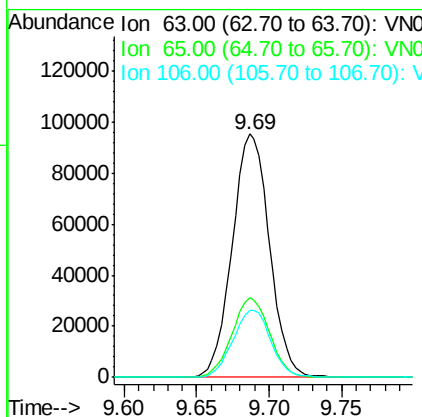
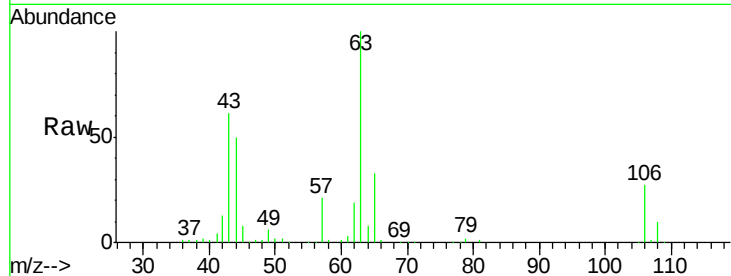
#55
2-Chloroethyl vinyl ether
Concen: 64.781 ug/l
RT: 9.69 min Scan# 2461
Delta R.T. -0.01 min
Lab File: VN057103.D
Acq: 6 Aug 2019 15:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.8	25.1	37.7
106	28.1	21.5	32.3

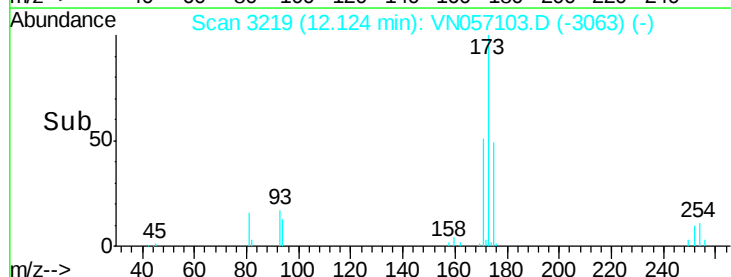
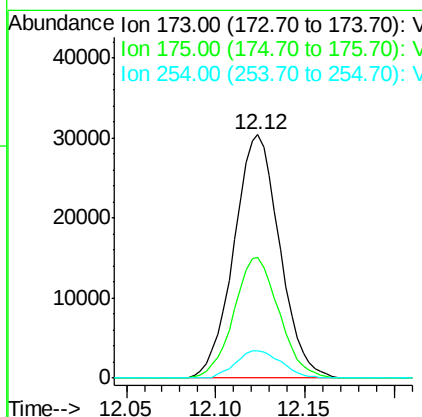
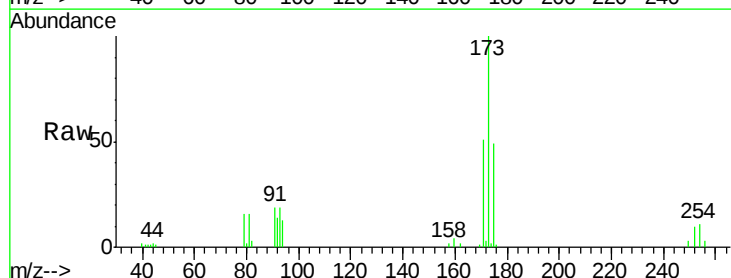
Manual Integrations
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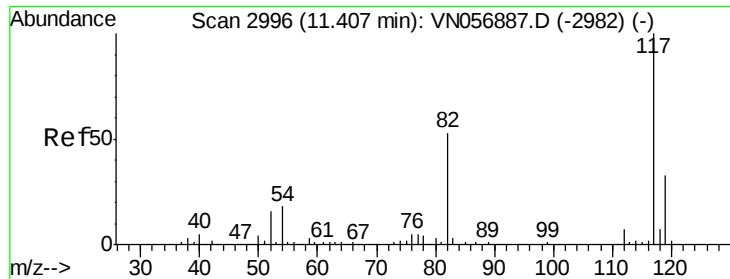
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#56
Bromoform
Concen: 18.064 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. 0.00 min
Lab File: VN057103.D
Acq: 6 Aug 2019 15:07

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.0	38.8	58.2
254	11.1	8.1	12.1





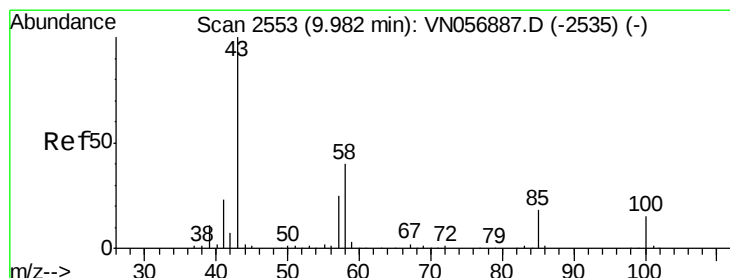
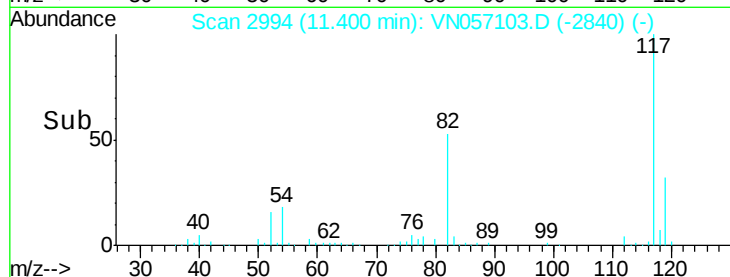
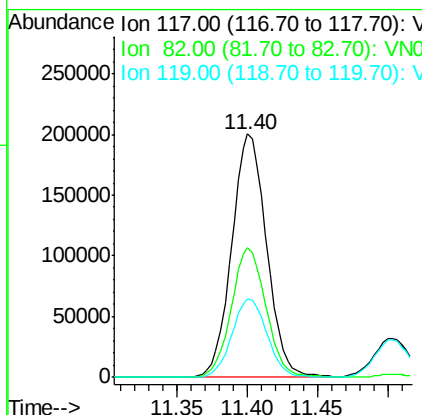
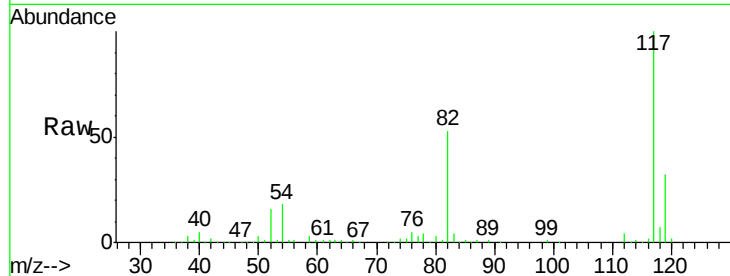
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.01 min
Lab File: VN057103.D
Acq: 6 Aug 2019 15:07

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.8	43.0	64.4
119	32.6	26.2	39.2

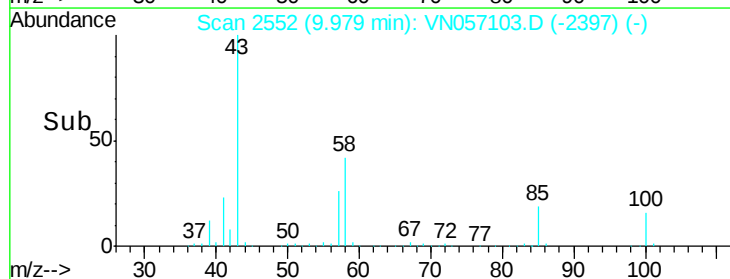
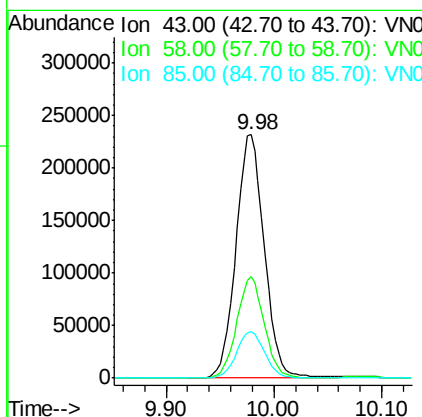
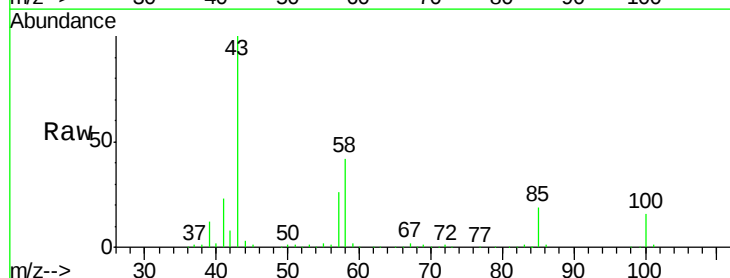
Manual Integrations
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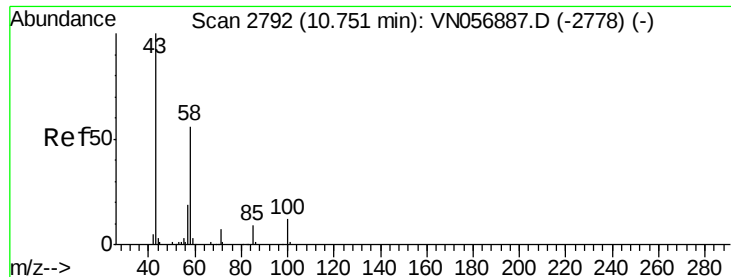
MMDadoda
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#58
4-Methyl-2-Pentanone
Concen: 90.628 ug/l
RT: 9.98 min Scan# 2552
Delta R.T. -0.00 min
Lab File: VN057103.D
Acq: 6 Aug 2019 15:07

Tgt Ion	Ratio	Lower	Upper
43	100		
58	40.7	31.7	47.5
85	19.2	14.5	21.7





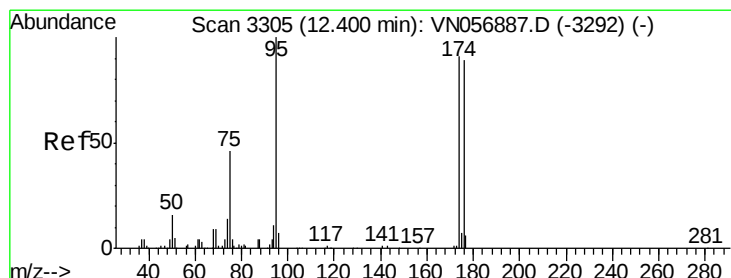
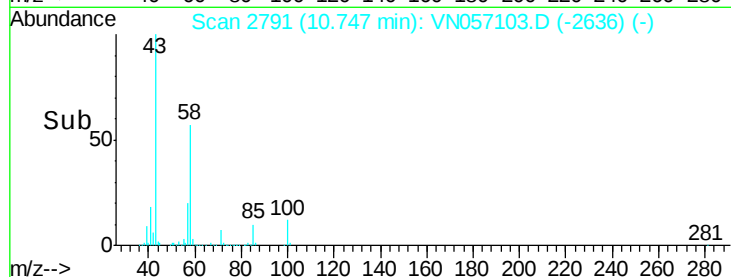
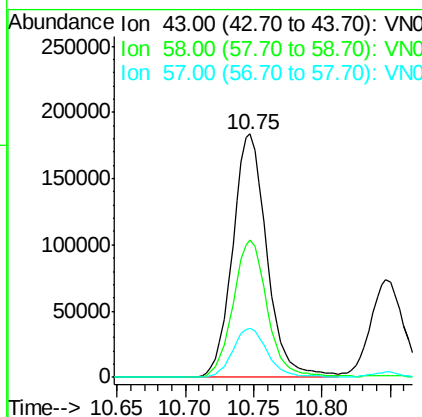
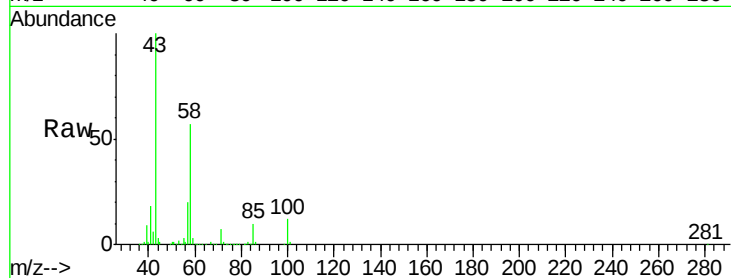
#59
2-Hexanone
Concen: 100.588 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. -0.00 min
Lab File: VN057103.D
Acq: 6 Aug 2019 15:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	56.6	45.0	67.4
57	20.6	15.4	23.0

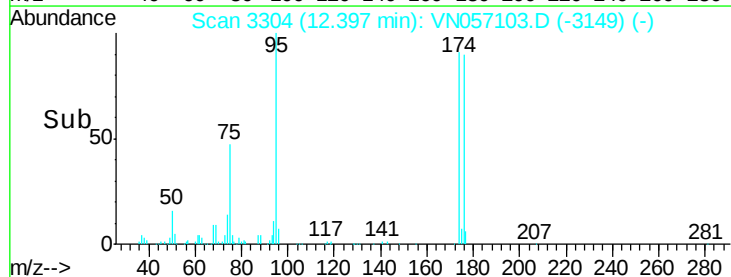
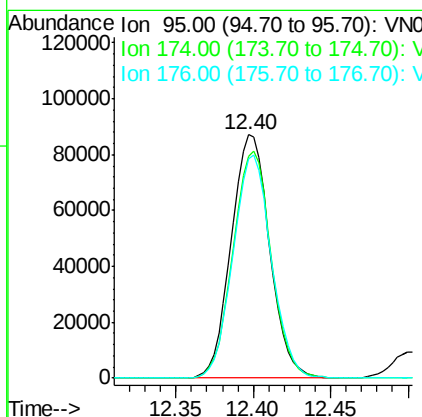
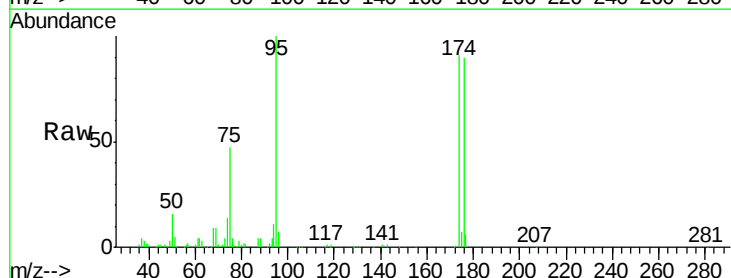
Manual Integrations
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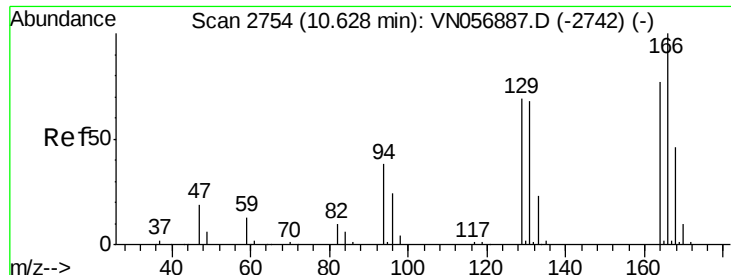
MMDadoda
8/9/2019 12:51:36 AM



#60
4-Bromofluorobenzene
Concen: 28.884 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. -0.00 min
Lab File: VN057103.D
Acq: 6 Aug 2019 15:07

Tgt Ion	Ratio	Lower	Upper
95	100		
174	92.8	71.9	107.9
176	91.4	69.8	104.8





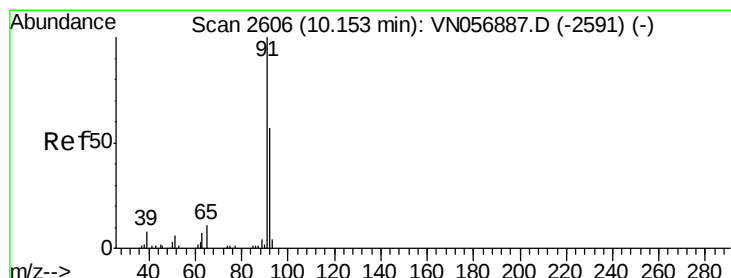
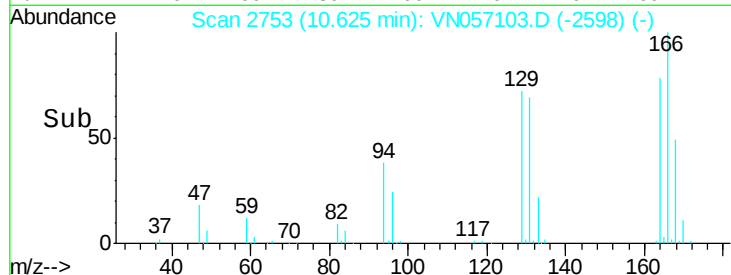
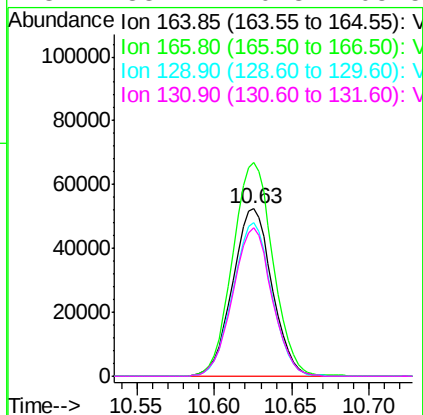
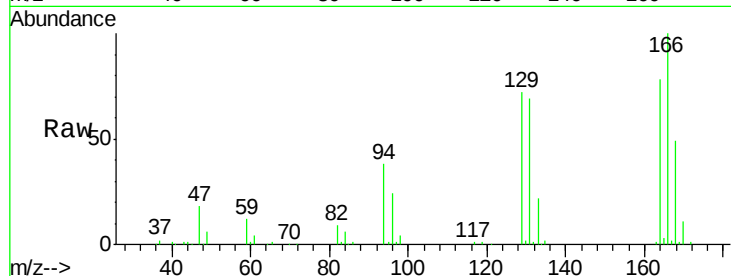
#61
Tetrachloroethene
Concen: 19.108 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. -0.00 min
Lab File: VN057103.D
Acq: 6 Aug 2019 15:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ion	Ratio	Lower	Upper
164	100			
166	127.6	103.9	155.9	
129	91.7	72.4	108.6	
131	88.4	70.3	105.5	

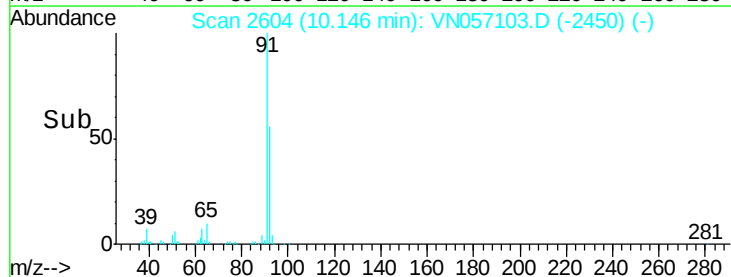
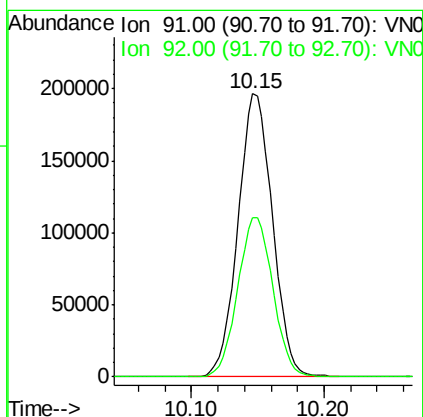
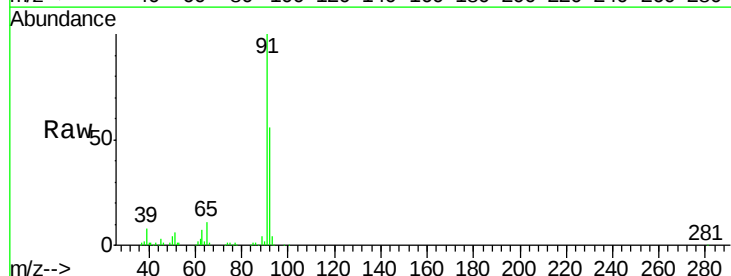
Manual Integrations
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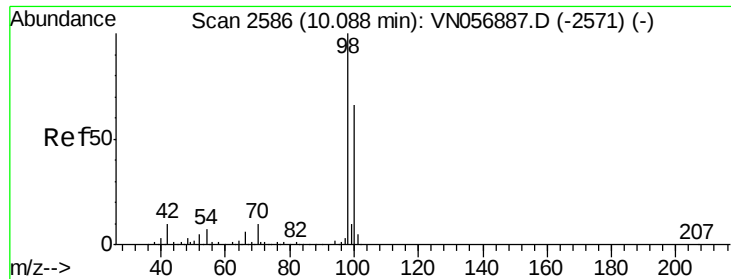
MMDadoda
8/9/2019 12:51:36 AM



#62
Toluene
Concen: 18.821 ug/l
RT: 10.15 min Scan# 2604
Delta R.T. -0.01 min
Lab File: VN057103.D
Acq: 6 Aug 2019 15:07

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
92	57.5	46.1	69.1	





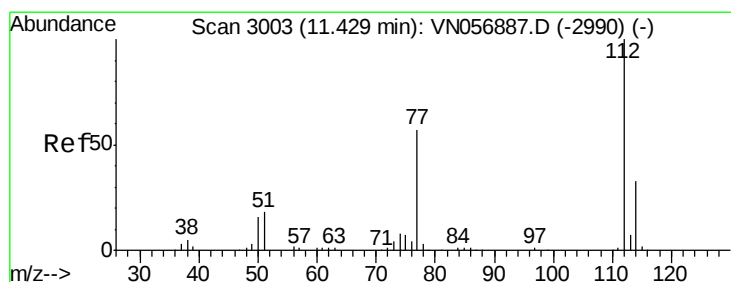
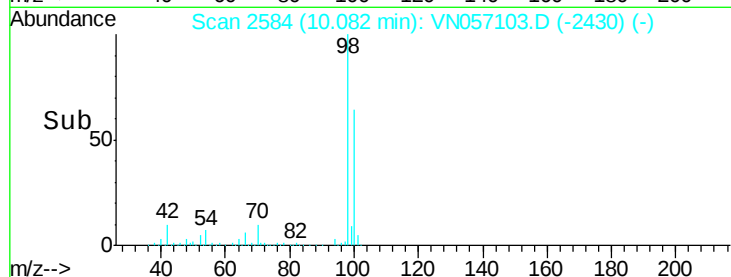
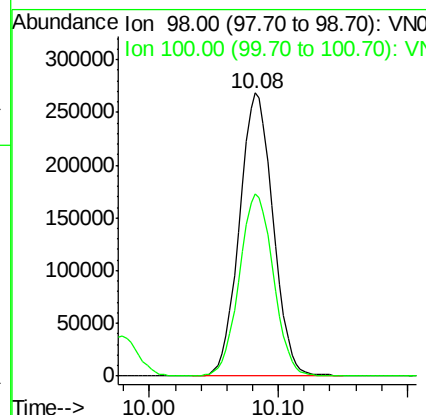
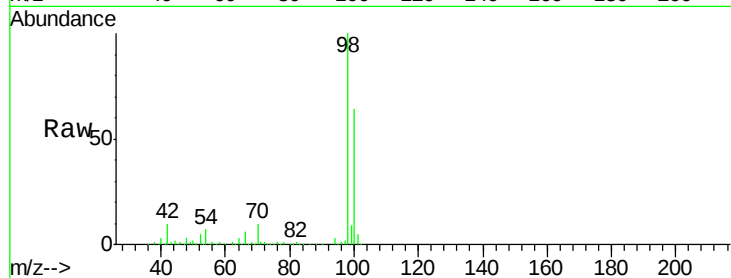
#63
Toluene-d8
Concen: 29.645 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. -0.01 min
Lab File: VN057103.D
Acq: 6 Aug 2019 15:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion: 98 Resp: 486380
Ion Ratio Lower Upper
98 100
100 64.8 51.4 77.2

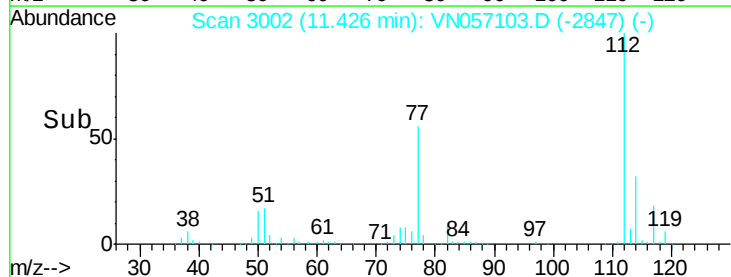
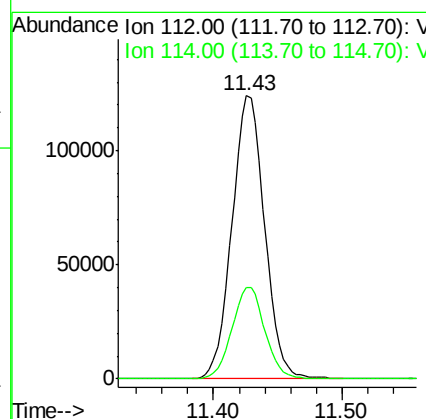
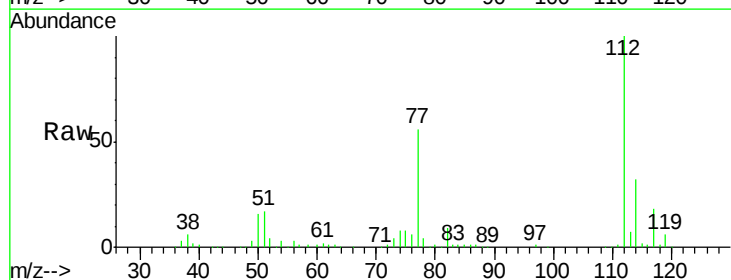
Manual Integrations
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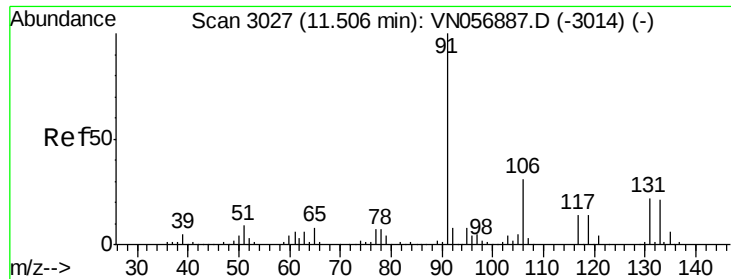
MMdadoda
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#64
Chlorobenzene
Concen: 19.157 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. -0.00 min
Lab File: VN057103.D
Acq: 6 Aug 2019 15:07

Tgt Ion: 112 Resp: 217986
Ion Ratio Lower Upper
112 100
114 32.2 26.7 40.1





#65

1,1,1,2-Tetrachloroethane

Concen: 19.084 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN057103.D

Acq: 6 Aug 2019 15:07

Instrument :

MSVOA_N

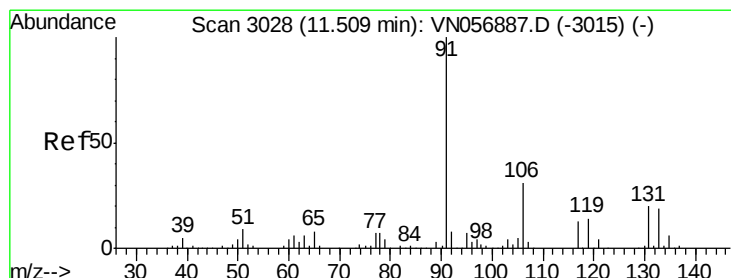
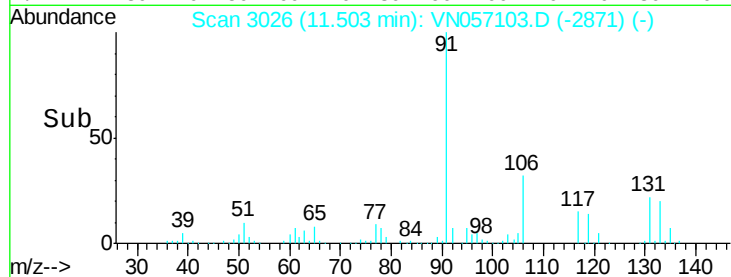
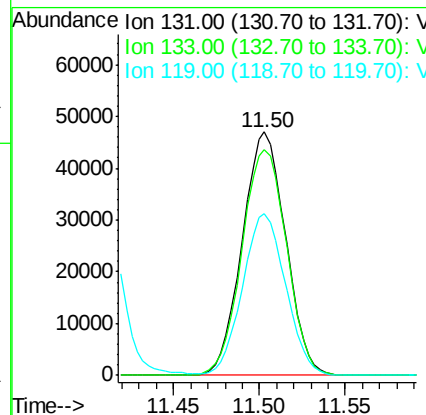
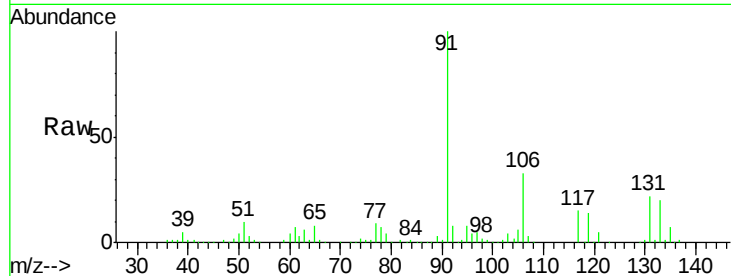
ClientSampleId :

VSTDCCC020

Tot Ion:131 Resp: 82247
 Ion Ratio Lower Upper
 131 100
 133 95.2 0.0 189.6
 119 65.9 0.0 133.6

Manual Integrations
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#66

Ethyl Benzene

Concen: 18.810 ug/l

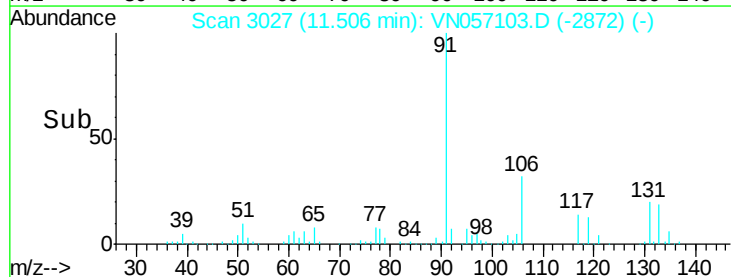
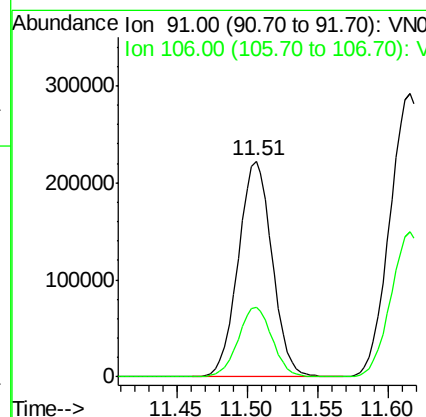
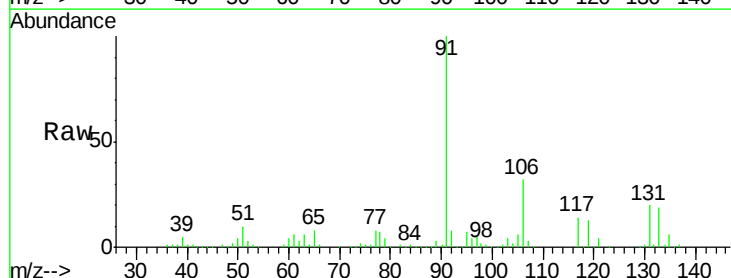
RT: 11.51 min Scan# 3027

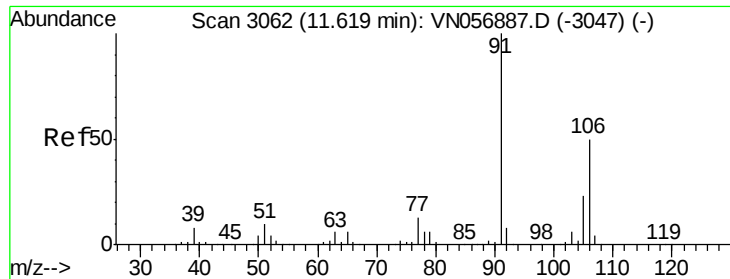
Delta R.T. -0.00 min

Lab File: VN057103.D

Acq: 6 Aug 2019 15:07

Tgt Ion: 91 Resp: 374428
 Ion Ratio Lower Upper
 91 100
 106 32.2 24.9 37.3





#67

m/p-Xvlenes

Concen: 38.108 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN057103.D

Acq: 6 Aug 2019 15:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDC0020

Tot Ion:106 Resp: 282874

Ion Ratio Lower Upper

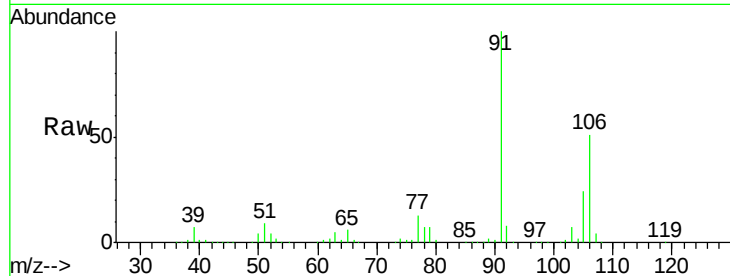
106 100

91 202.7 160.6 240.8

Manual Integrations
APPROVED

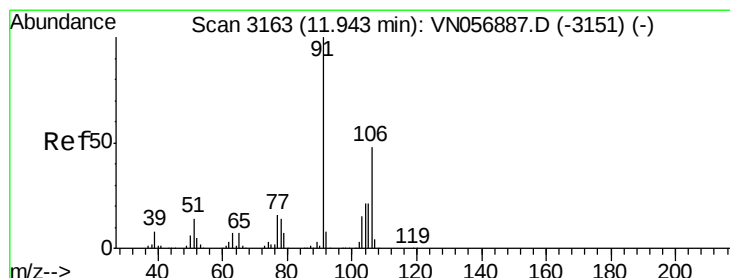
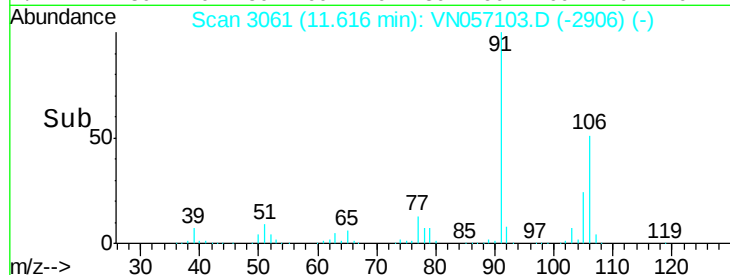
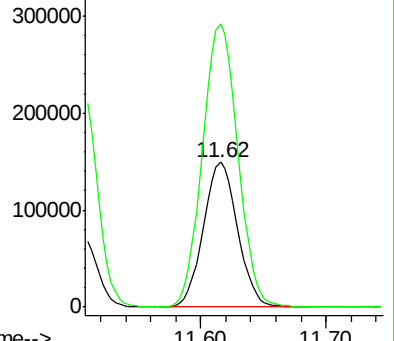
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#68

o-Xylene

Concen: 19.101 ug/l

RT: 11.94 min Scan# 3163

Delta R.T. -0.00 min

Lab File: VN057103.D

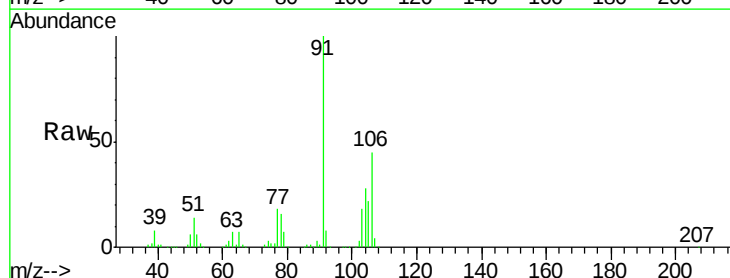
Acq: 6 Aug 2019 15:07

Tgt Ion:106 Resp: 139400

Ion Ratio Lower Upper

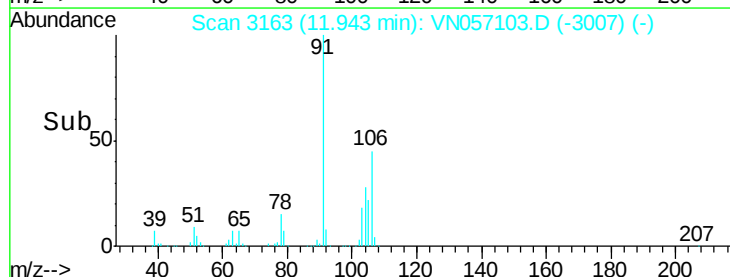
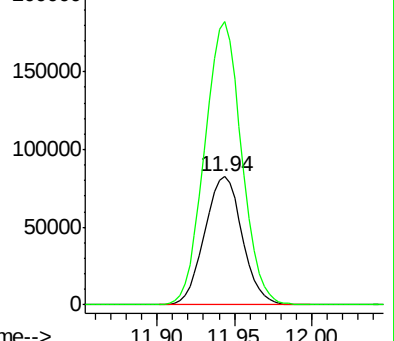
106 100

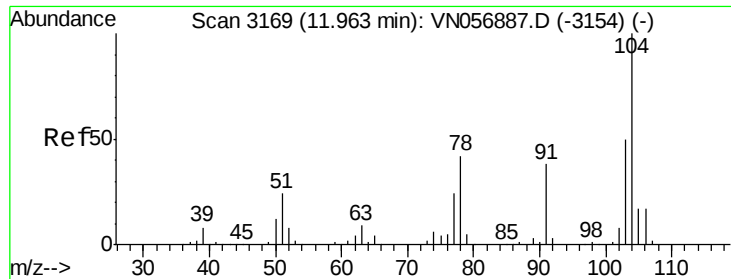
91 216.8 106.2 318.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0





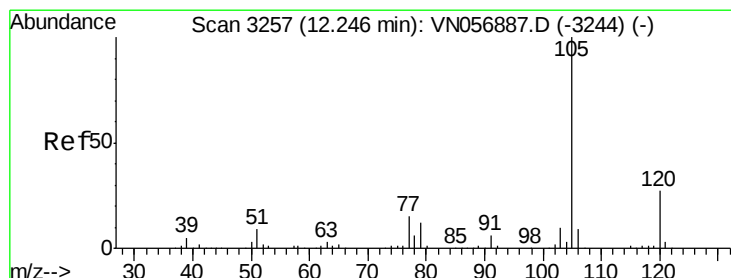
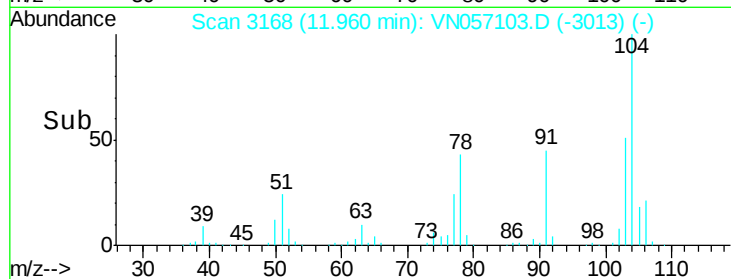
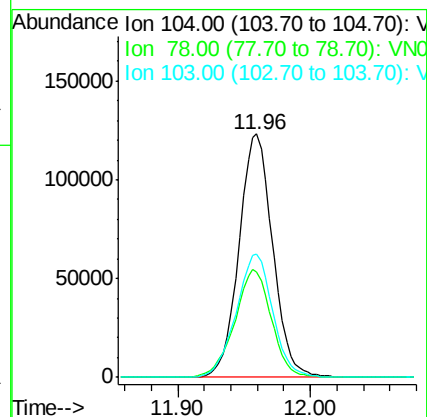
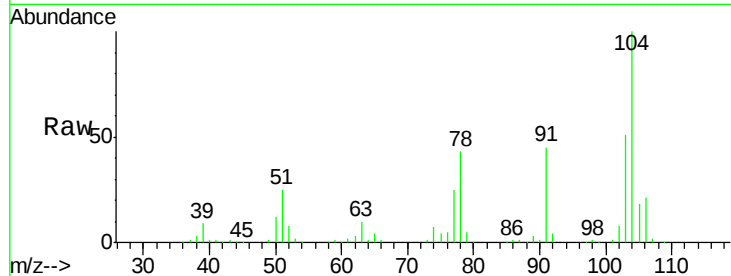
#69
Stvrene
Concen: 18.441 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. -0.00 min
Lab File: VN057103.D
Acq: 6 Aug 2019 15:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
104	100		
78	47.8	38.5	57.7
103	54.8	44.7	67.1

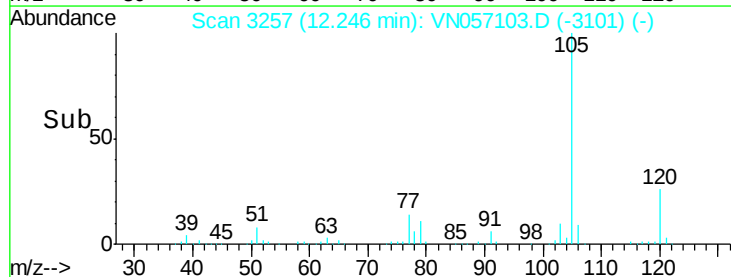
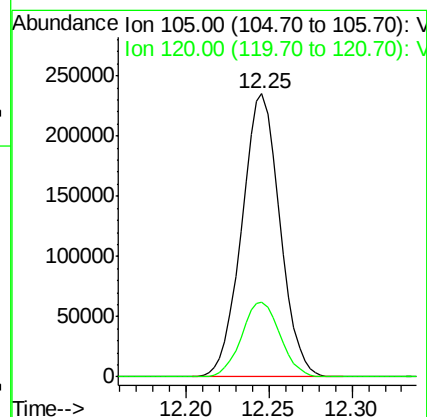
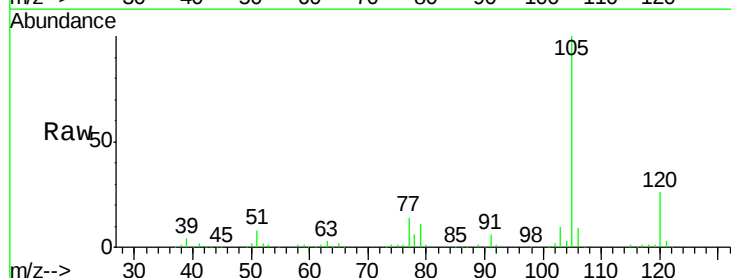
Manual Integrations
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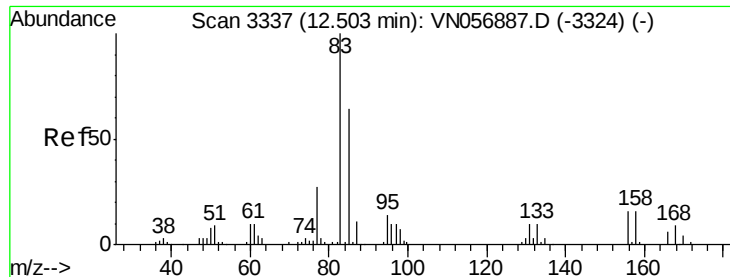
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#70
Isopropylbenzene
Concen: 19.523 ug/l
RT: 12.25 min Scan# 3257
Delta R.T. 0.00 min
Lab File: VN057103.D
Acq: 6 Aug 2019 15:07

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.9	18.7	34.7





#71

1,1,2,2-Tetrachloroethane

Concen: 18.966 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN057103.D

Acq: 6 Aug 2019 15:07

Instrument :

MSVOA_N

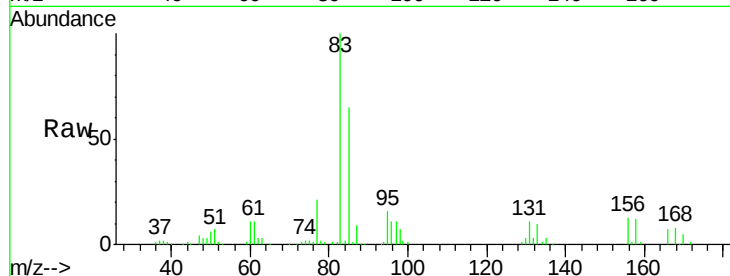
ClientSampled :

VSTDCCC020

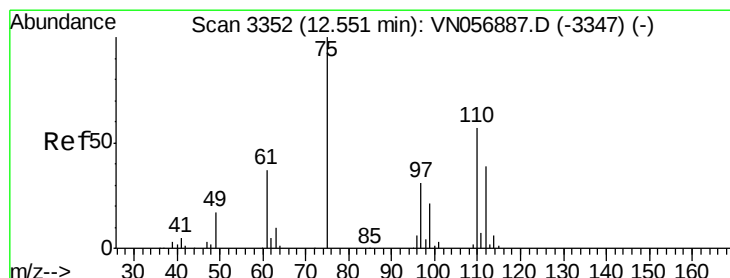
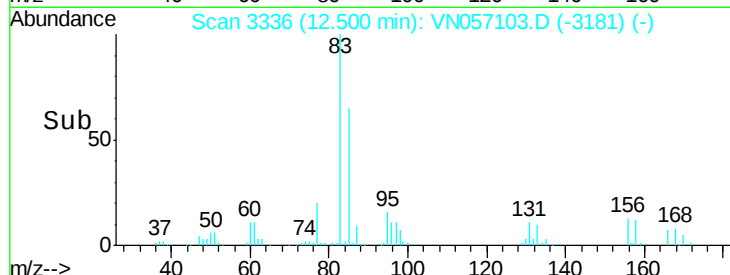
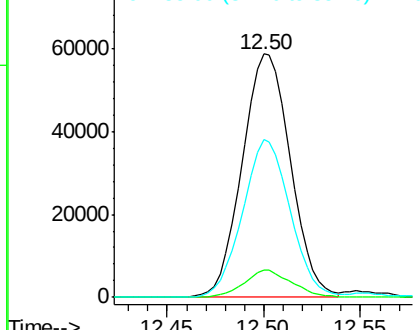
Tot Ion:	83	Resp:	102082
Ion Ratio	Lower	Upper	
83	100		
131	11.1	5.1	15.2
85	63.9	31.8	95.4

Manual Integrations
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Abundance Ion 83.00 (82.70 to 83.70): VN056887.D (-3324) (-)



#72

1,2,3-Trichloropropane

Concen: 19.541 ug/l m

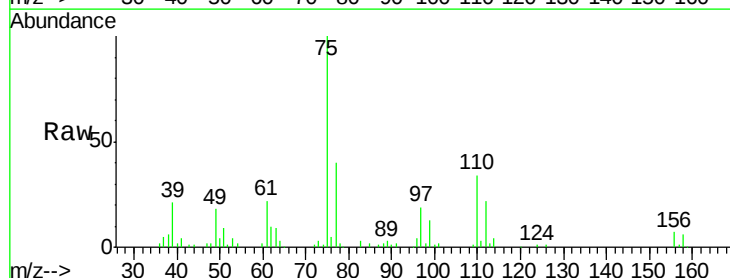
RT: 12.55 min Scan# 3352

Delta R.T. 0.00 min

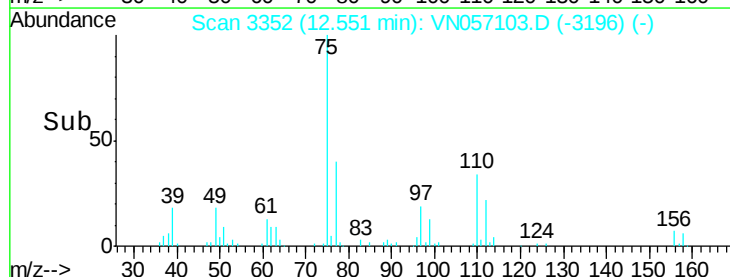
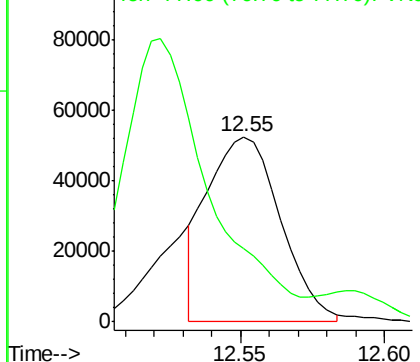
Lab File: VN057103.D

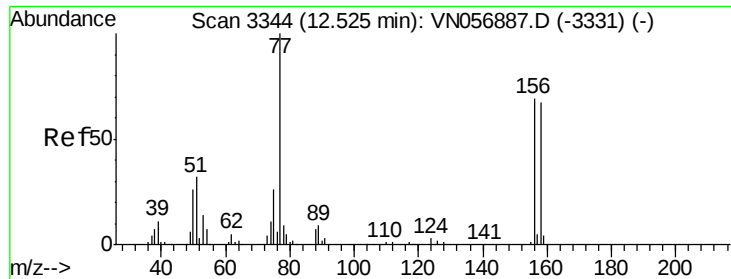
Acq: 6 Aug 2019 15:07

Tgt Ion:	75	Resp:	92538
Ion Ratio	Lower	Upper	
75	100		
77	181.2	0.0	378.6



Abundance Ion 75.00 (74.70 to 75.70): VN056887.D (-3347) (-)





#73

Bromobenzene

Concen: 19.209 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN057103.D

Acq: 6 Aug 2019 15:07

Instrument :

MSVOA_N

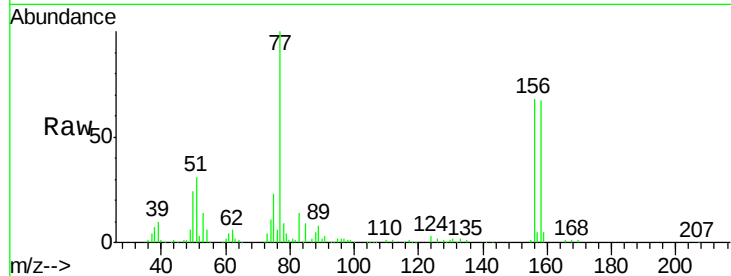
ClientSampled :

VSTDCCC020

Tot Ion:	156	Resp:	95249
Ion Ratio	Lower	Upper	
156	100		
77	176.0	0.0	364.6
158	98.1	0.0	196.2

Manual Integrations
APPROVED

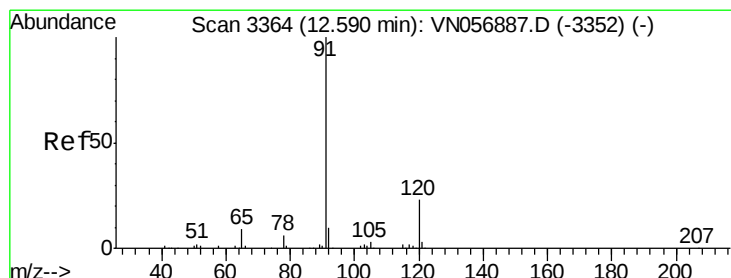
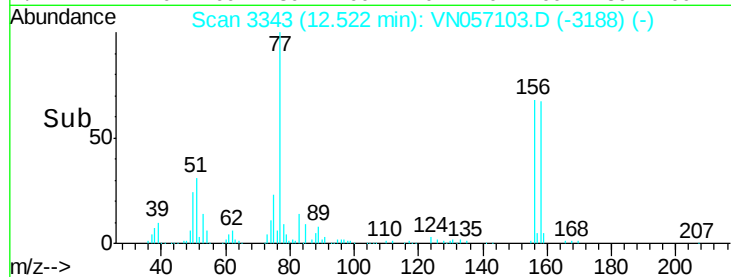
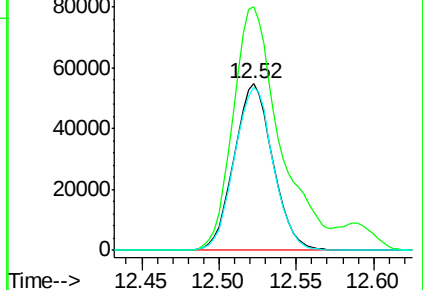
MMDadoda
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Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 17.703 ug/l

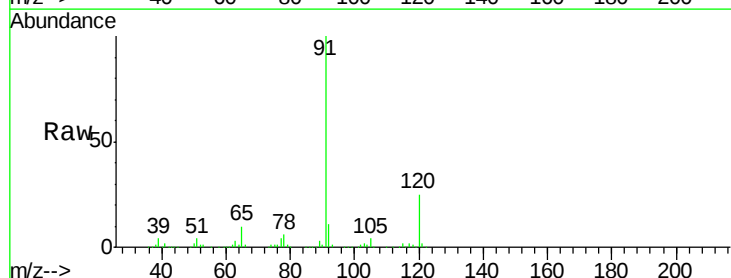
RT: 12.59 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN057103.D

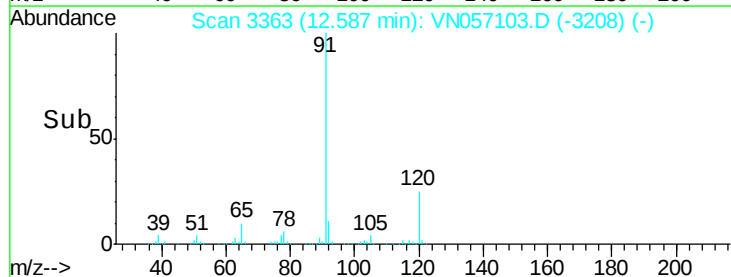
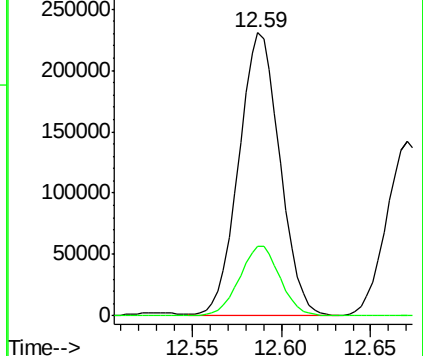
Acq: 6 Aug 2019 15:07

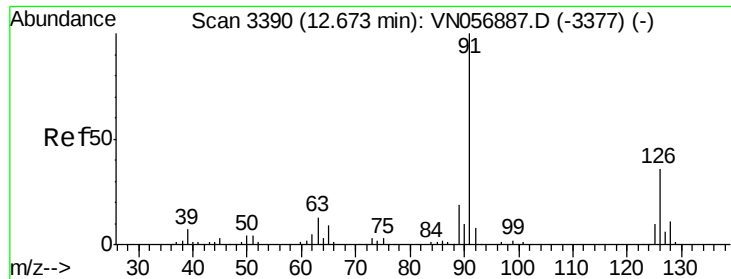
Tgt Ion:	91	Resp:	371968
Ion Ratio	Lower	Upper	
91	100		
120	24.3	0.0	46.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 18.590 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VN057103.D

Acq: 6 Aug 2019 15:07

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC020

Tot Ion: 91 Resp: 236806

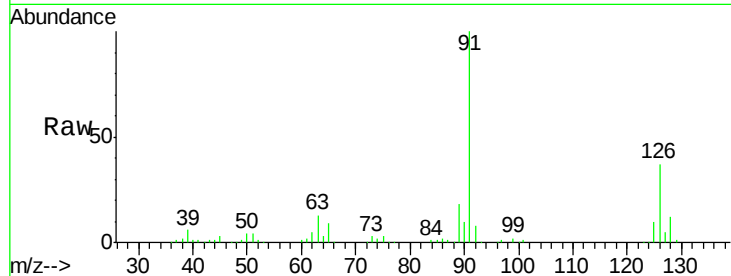
Ion Ratio Lower Upper

91 100

126 37.0 0.0 70.8

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8/9/2019 12:51:36 AM



Abundance Ion 91.00 (90.70 to 91.70): VN056887.D (-3377) (-)

Ion 126.00 (125.70 to 126.70): VN056887.D (-3377) (-)

150000

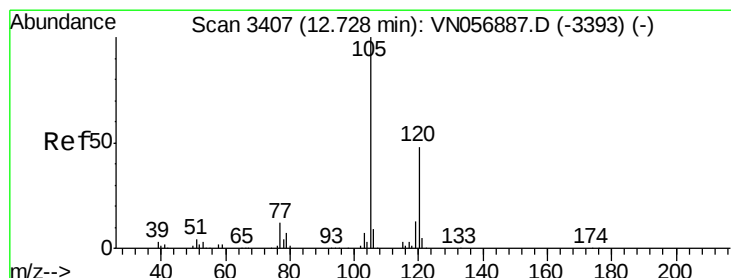
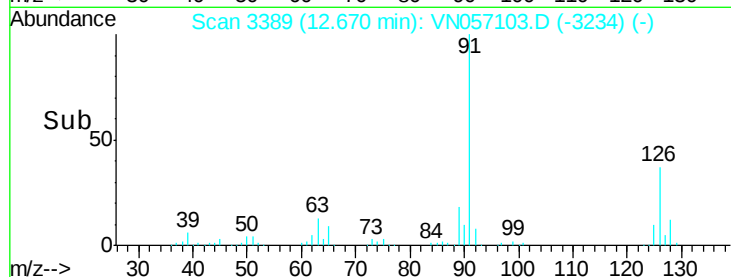
100000

50000

0

12.60 12.65 12.70

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 19.232 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN057103.D

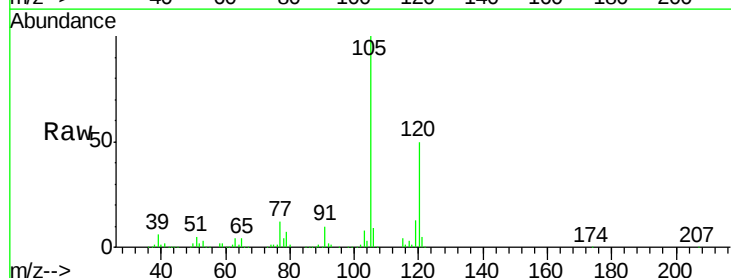
Acq: 6 Aug 2019 15:07

Tgt Ion: 105 Resp: 311117

Ion Ratio Lower Upper

105 100

120 49.1 0.0 97.2



Abundance Ion 105.00 (104.70 to 105.70): VN056887.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN056887.D (-3393) (-)

200000

150000

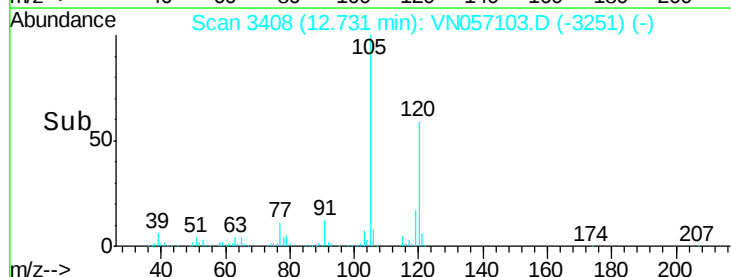
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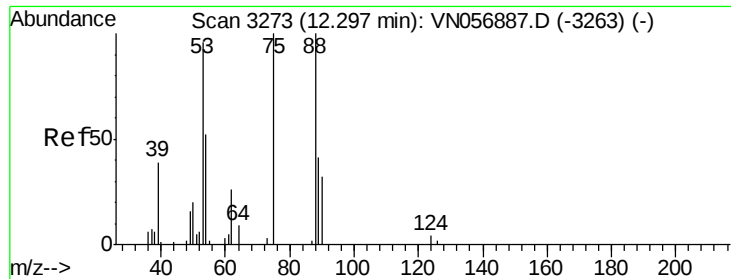
50000

0

12.70 12.75 12.80

Time-->





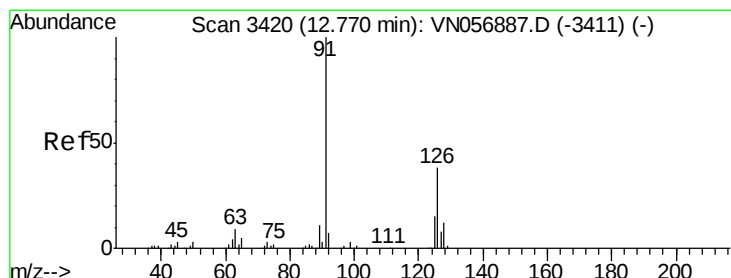
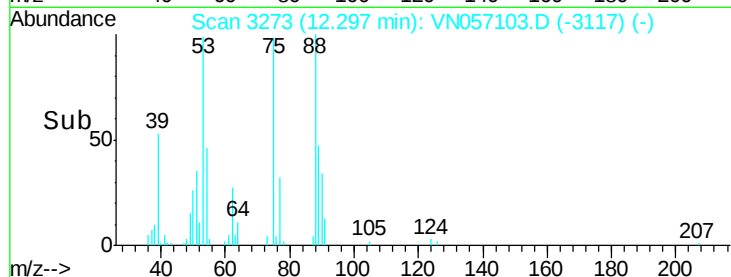
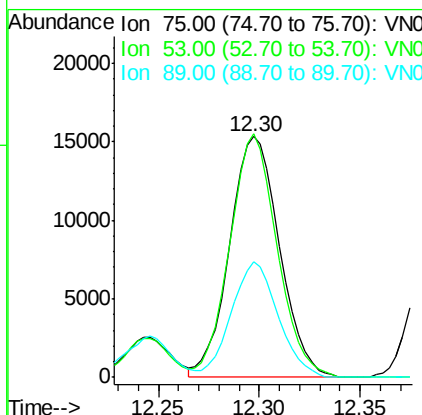
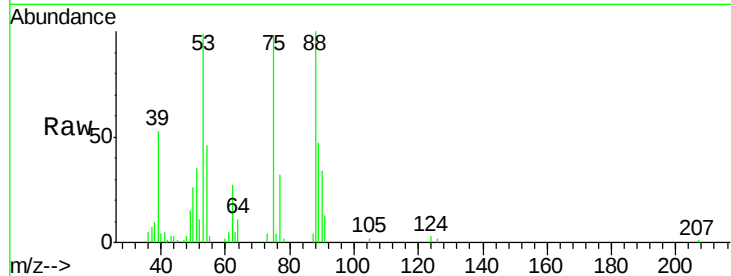
#77
t-1,4-Dichloro-2-butene
Concen: 17.871 ug/l
RT: 12.30 min Scan# 3273
Delta R.T. -0.00 min
Lab File: VN057103.D
Acq: 6 Aug 2019 15:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
75	100		
53	101.0	48.0	144.0
89	47.8	21.4	64.3

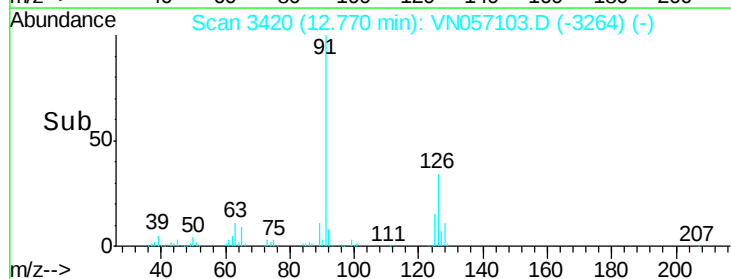
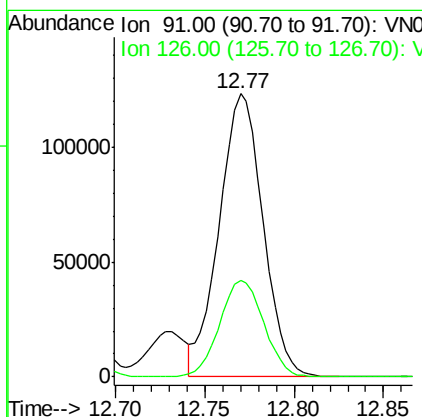
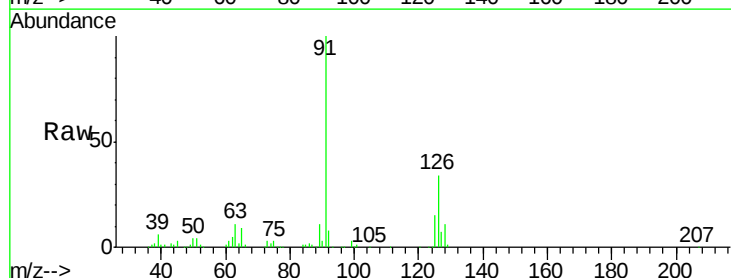
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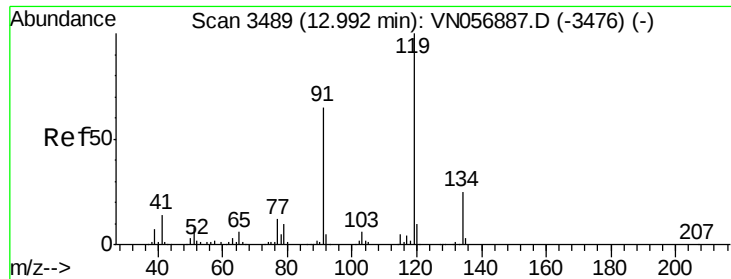
MMDadoda
8/9/2019 12:51:36 AM



#78
4-Chlorotoluene
Concen: 17.260 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. -0.00 min
Lab File: VN057103.D
Acq: 6 Aug 2019 15:07

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.5	0.0	69.6





#79

tert-butylbenzene

Concen: 19.864 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN057103.D

Acq: 6 Aug 2019 15:07

Instrument :

MSVOA_N

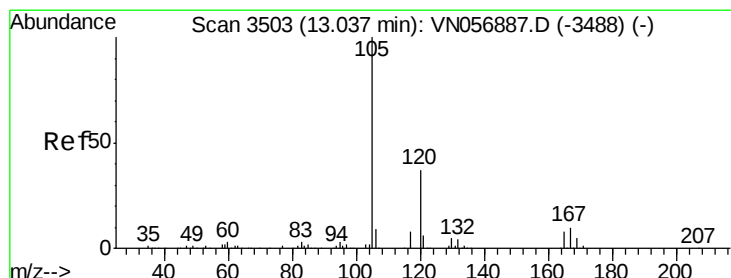
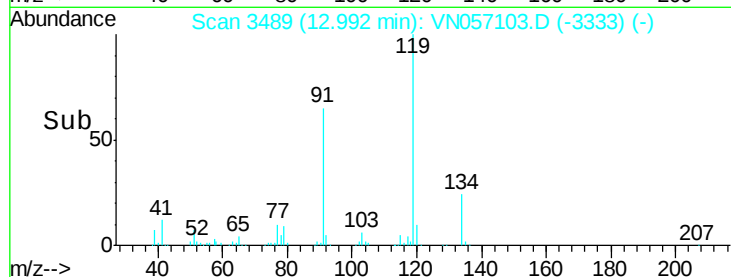
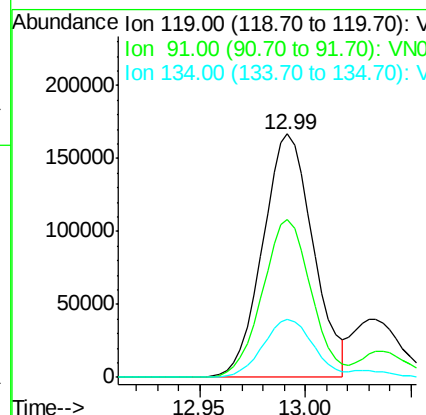
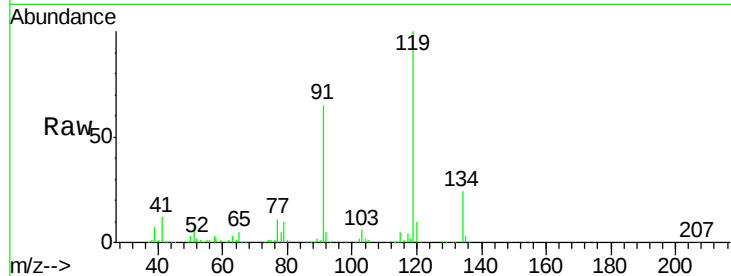
ClientSampled :

VSTDCCC020

Tot Ion:	119	Resp:	277306
Ion Ratio	Lower	Upper	
119	100		
91	63.0	0.0	126.8
134	23.9	0.0	48.8

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#80

1,2,4-Trimethylbenzene

Concen: 18.696 ug/l

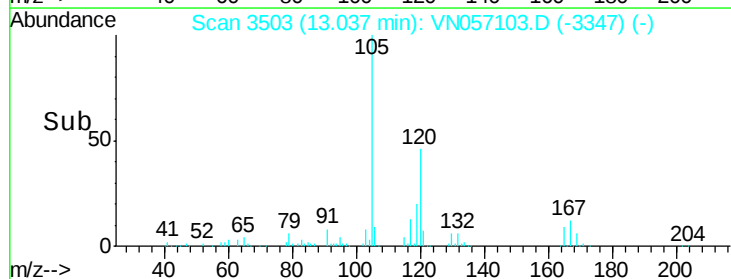
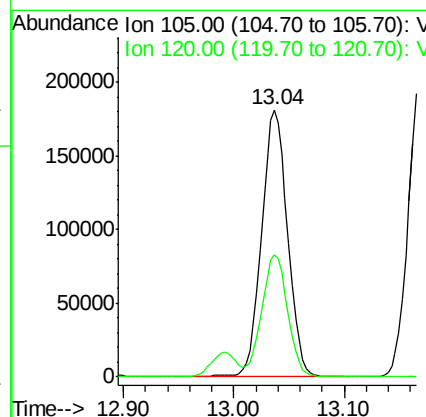
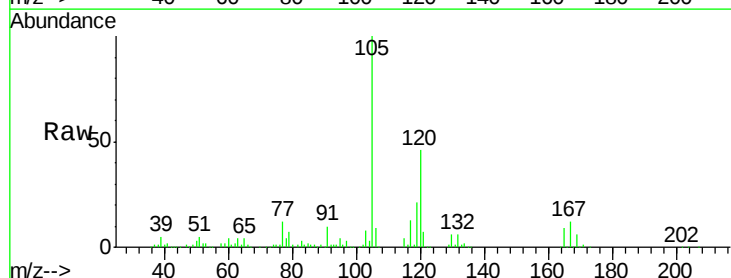
RT: 13.04 min Scan# 3503

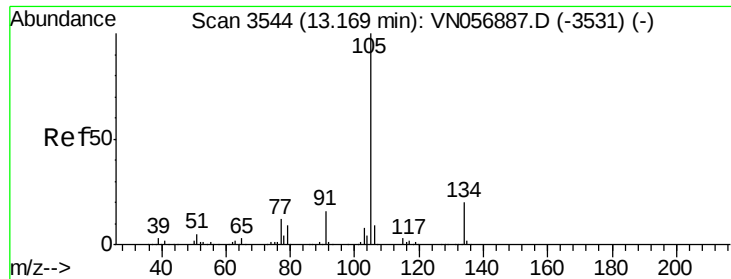
Delta R.T. 0.00 min

Lab File: VN057103.D

Acq: 6 Aug 2019 15:07

Tgt Ion:	105	Resp:	294846
Ion Ratio	Lower	Upper	
105	100		
120	45.7	0.0	90.6





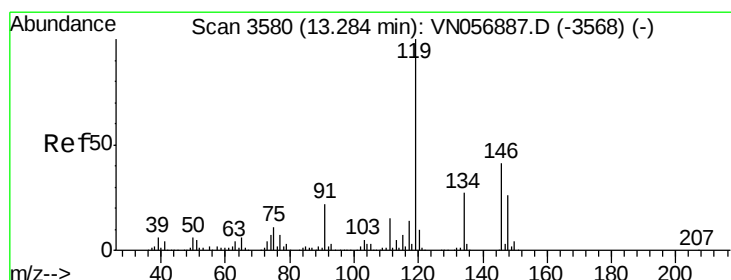
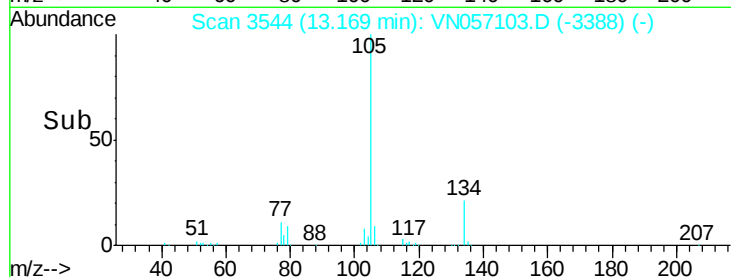
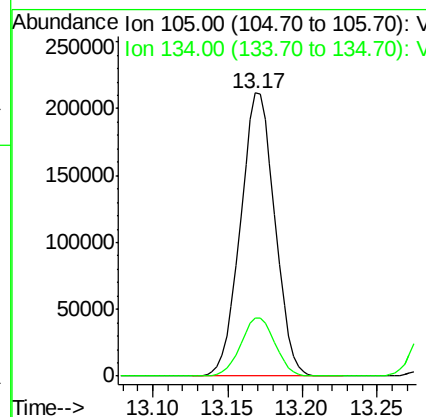
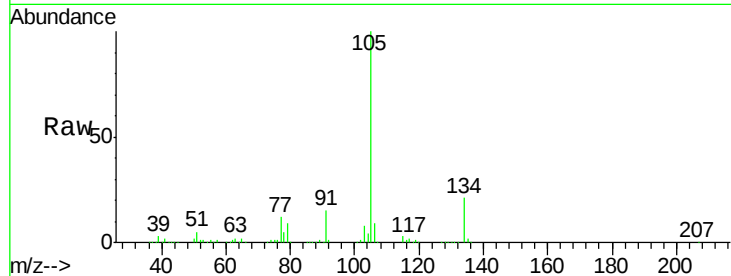
#81
 sec-Butylbenzene
 Concen: 18.559 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. -0.00 min
 Lab File: VN057103.D
 Acq: 6 Aug 2019 15:07

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
105	100	338250		
134	20.6	0.0	41.2	

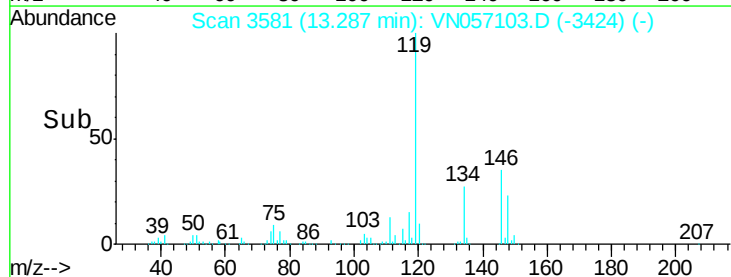
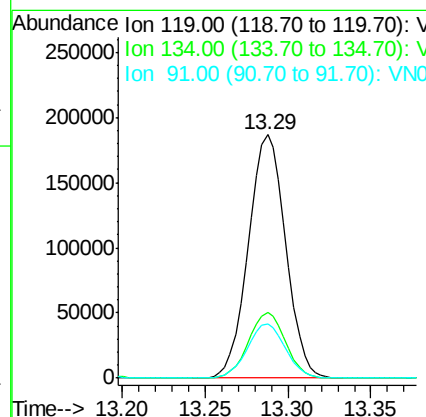
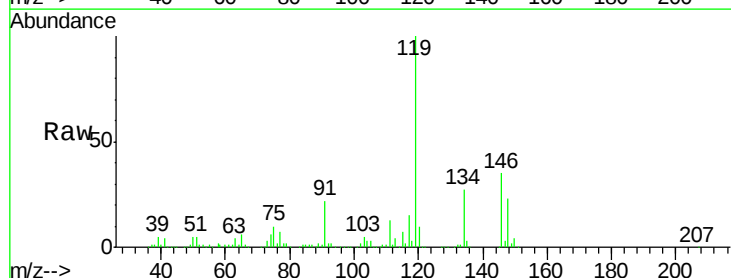
Manual Integrations
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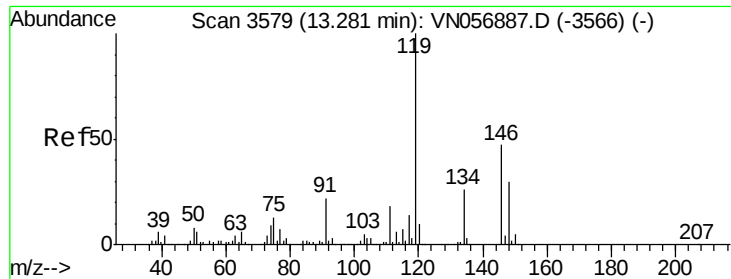
MMdadoda
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#82
 p-Isopropyltoluene
 Concen: 17.758 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN057103.D
 Acq: 6 Aug 2019 15:07

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	290677		
134	26.9	0.0	53.2	
91	22.7	0.0	44.0	





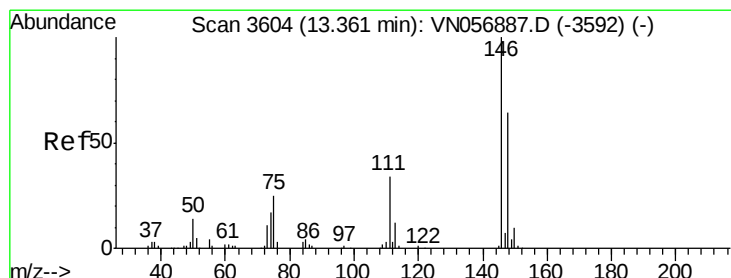
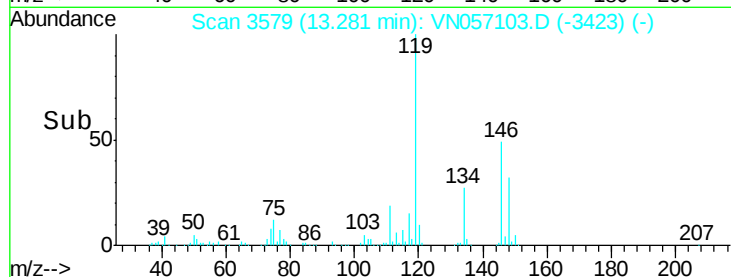
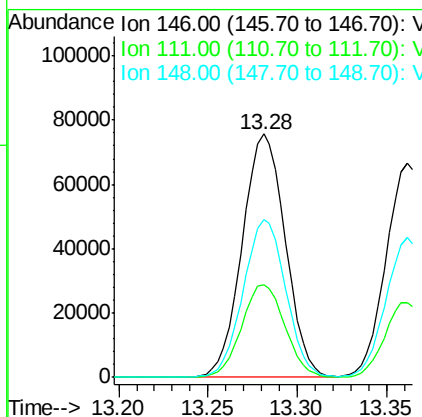
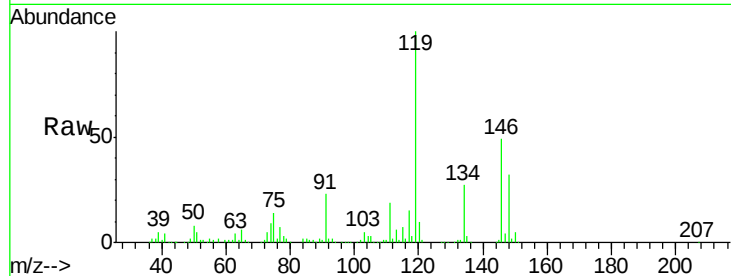
#83
 1,3-Dichlorobenzene
 Concen: 16.364 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN057103.D
 Acq: 6 Aug 2019 15:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
146	100	127761		
111	38.1	18.8	56.4	
148	64.1	31.7	95.1	

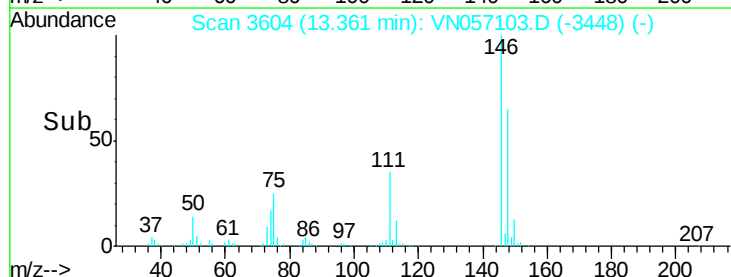
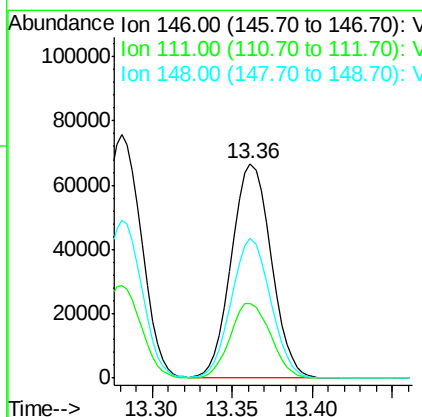
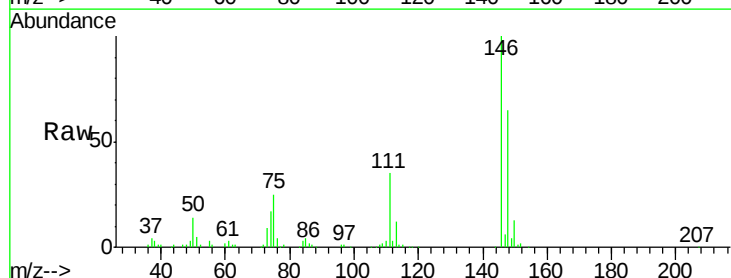
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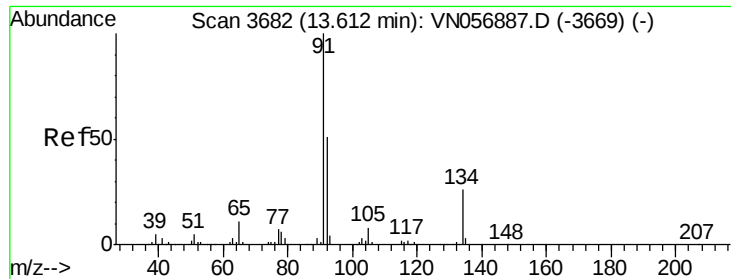
MMDadoda
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#84
 1,4-Dichlorobenzene
 Concen: 15.362 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN057103.D
 Acq: 6 Aug 2019 15:07

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	113397		
111	35.3	17.8	53.5	
148	64.2	32.6	97.7	





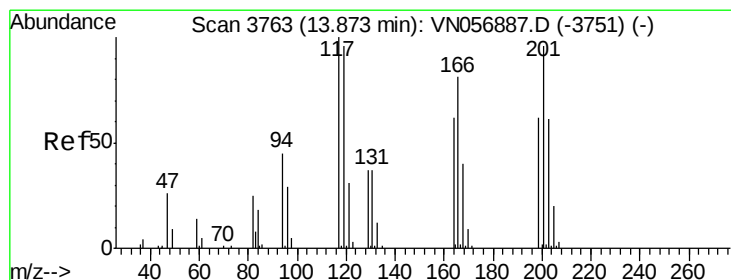
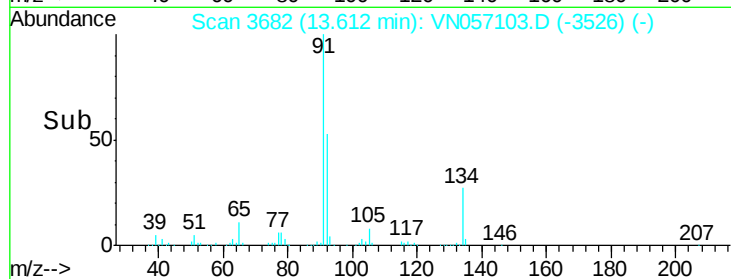
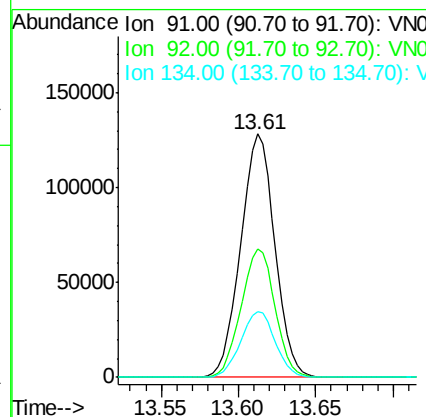
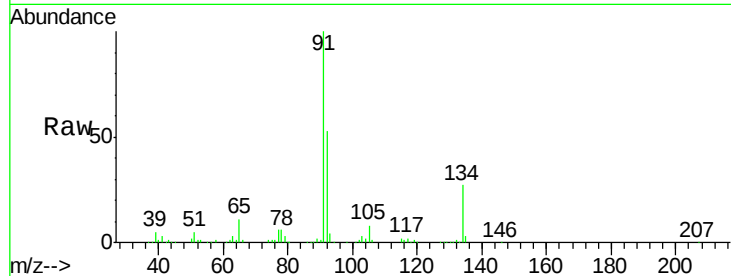
#85
n-Butylbenzene
Concen: 15.314 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN057103.D
Acq: 6 Aug 2019 15:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
91	100	196829		
92	52.2	0.0	101.8	
134	27.2	0.0	52.4	

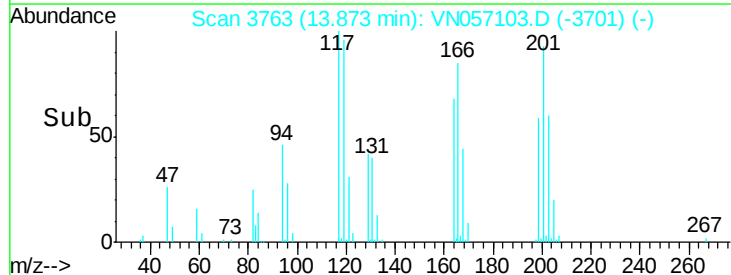
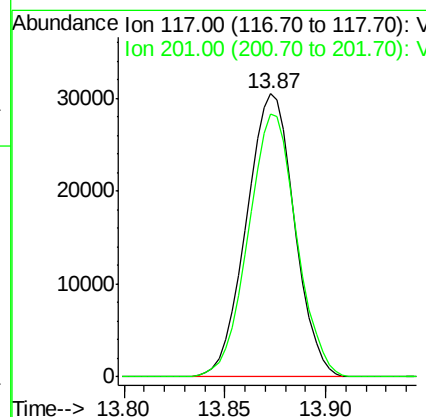
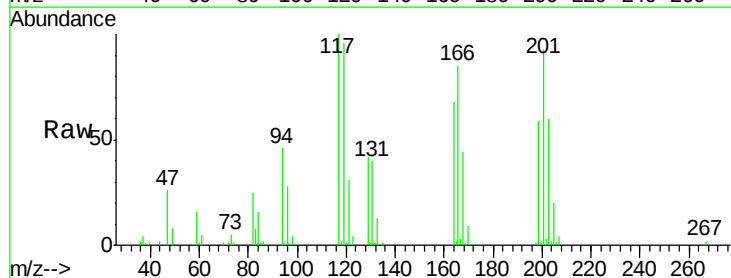
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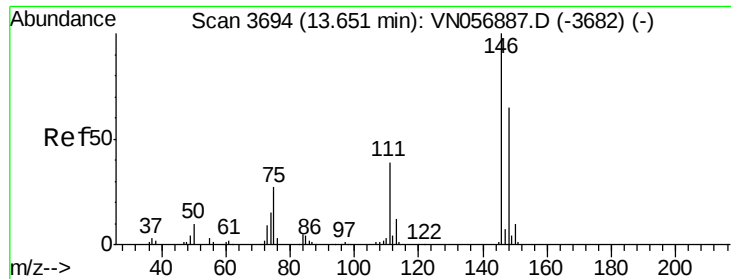
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#86
Hexachloroethane
Concen: 18.566 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN057103.D
Acq: 6 Aug 2019 15:07

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	50858		
201	93.1	47.8	143.3	





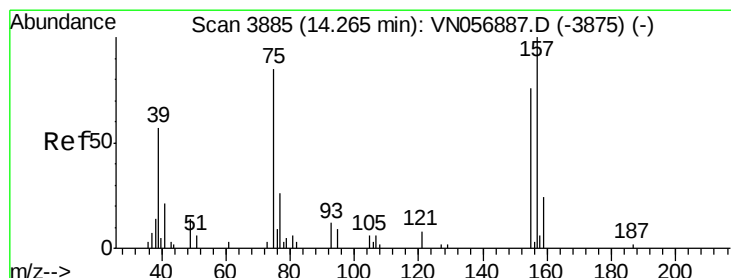
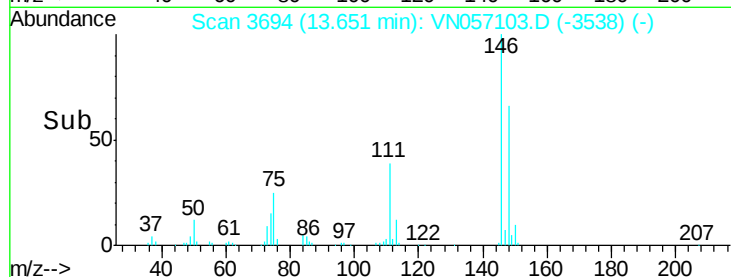
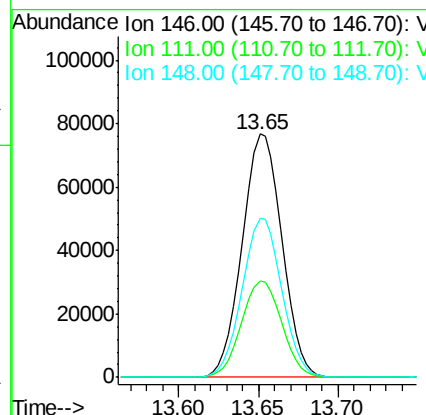
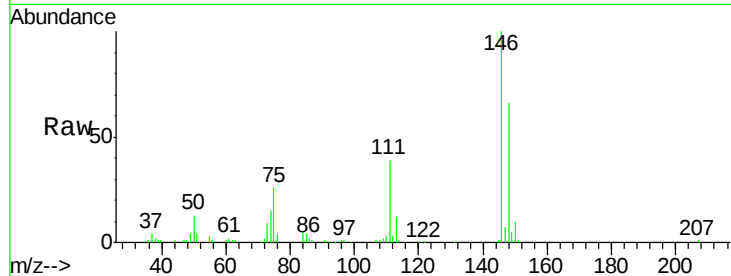
#87
 1,2-Dichlorobenzene
 Concen: 16.798 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN057103.D
 Acq: 6 Aug 2019 15:07

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	19.6	58.8
148	65.0	32.5	97.5

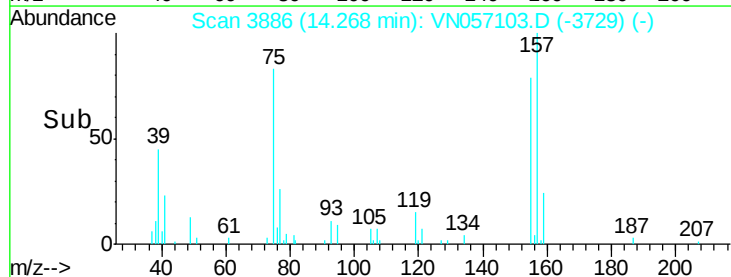
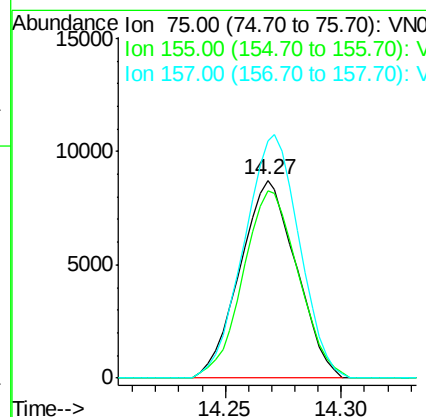
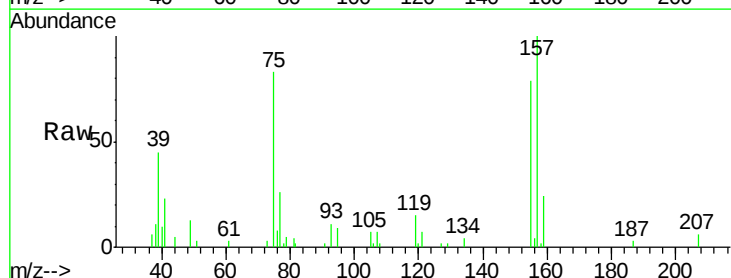
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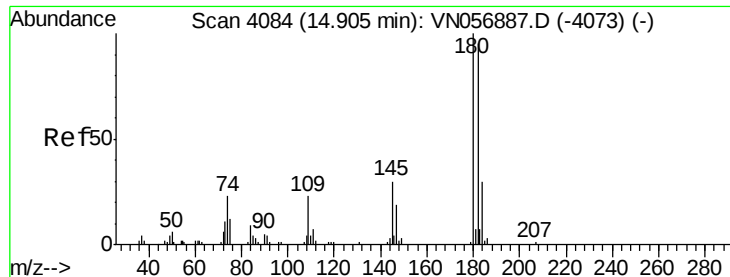
MMdadoda
 8/9/2019 12:51:36 AM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 17.617 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN057103.D
 Acq: 6 Aug 2019 15:07

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.1	73.4	110.2
157	121.2	95.0	142.6





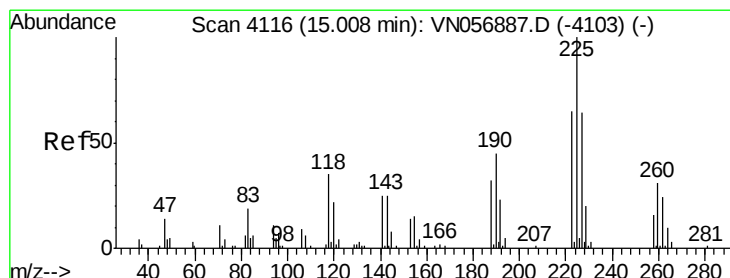
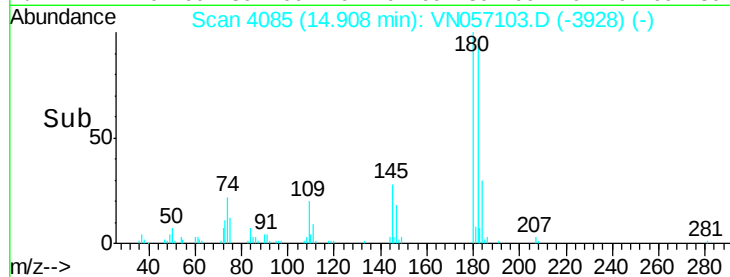
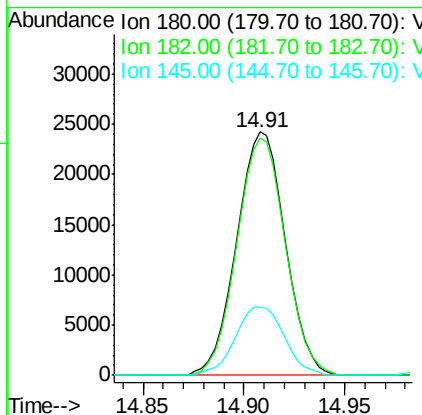
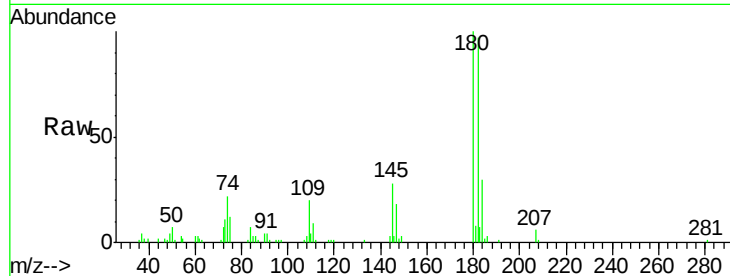
#89
 1,2,4-Trichlorobenzene
 Concen: 15.665 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN057103.D
 Acq: 6 Aug 2019 15:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	97.2	77.0	115.4	
145	28.4	23.5	35.3	

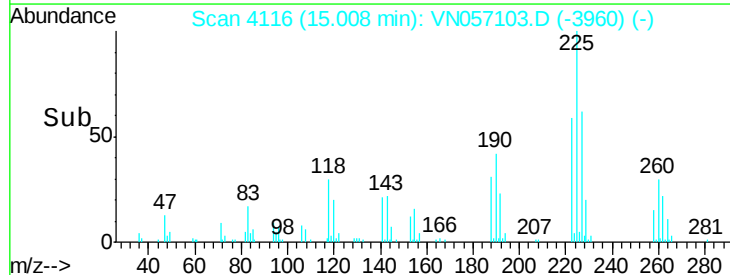
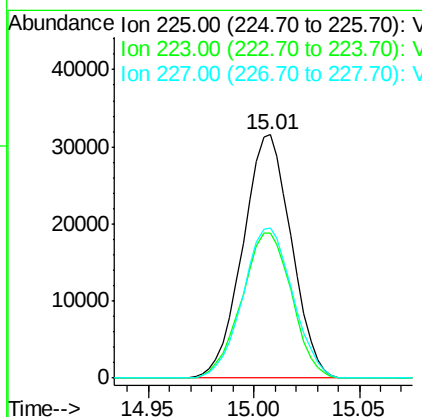
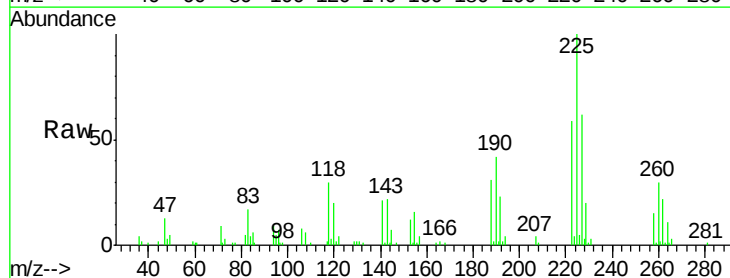
Manual Integrations
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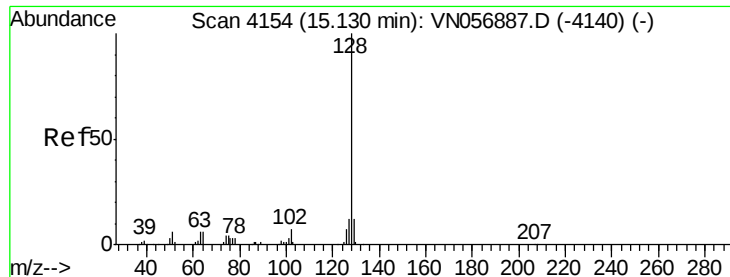
MMdadoda
 8/9/2019 12:51:36 AM



#90
 Hexachlorobutadiene
 Concen: 17.725 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN057103.D
 Acq: 6 Aug 2019 15:07

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	61.2	0.0	130.0	
227	63.6	0.0	127.2	





#91

Naphthalene

Concen: 15.120 ug/l

RT: 15.12 min Scan# 4152

Delta R.T. -0.01 min

Lab File: VN057103.D

Acq: 6 Aug 2019 15:07

Instrument :

MSVOA_N

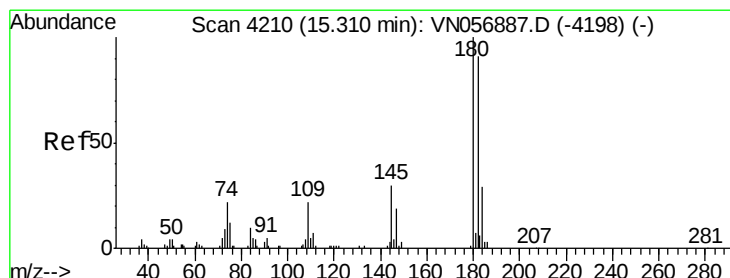
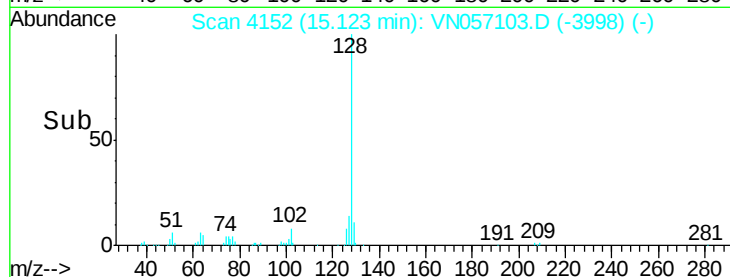
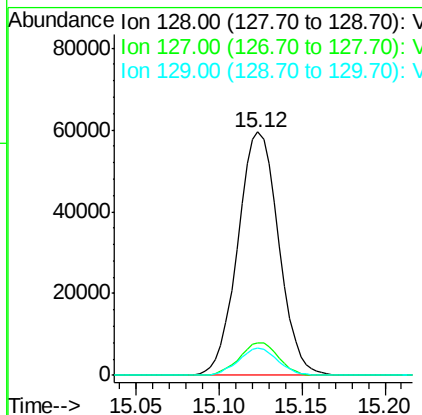
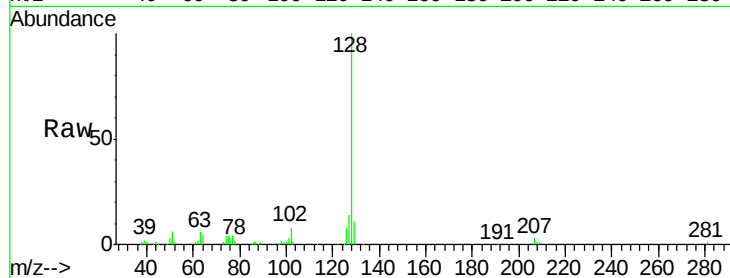
ClientSampleId :

VSTDCCC020

Tot Ion:	128	Resp:	101974
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.0	15.0
129	10.7	8.9	13.3

Manual Integrations
APPROVED

MMdadoda
8/9/2019 12:51:36 AM



#92

1,2,3-Trichlorobenzene

Concen: 12.206 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. -0.01 min

Lab File: VN057103.D

Acq: 6 Aug 2019 15:07

Tgt Ion:	180	Resp:	50040
Ion Ratio	Lower	Upper	
180	100		
182	98.0	0.0	188.0
145	29.9	0.0	61.0

