

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090519\
 Data File : VN057700.D
 Acq On : 5 Sep 2019 12:53
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC020EC

Manual Integrations
 APPROVED

MMDadoda
 9/6/2019 8:26:30 AM

Quant Time: Sep 06 01:45:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N090319W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Sep 04 02:08:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.18	128	59221	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	348773	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	291575	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.02	65	187813	29.83	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.43%
60) 4-Bromofluorobenzene	12.40	95	139598	28.02	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	93.40%
63) Toluene-d8	10.09	98	432456	30.80	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.67%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.84	85	83821	19.646	ug/l 95
3) Chloromethane	2.05	50	78312	17.405	ug/l 97
4) Vinyl Chloride	2.18	62	70267	19.097	ug/l 95
5) Bromomethane	2.56	94	46868	19.925	ug/l 100
6) Chloroethane	2.70	64	48871	18.189	ug/l 93
7) Trichlorofluoromethane	3.02	101	136078	19.310	ug/l 98
8) Diethyl Ether	3.40	74	42805	18.467	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	70175	19.162	ug/l 100
10) 1,1-Dichloroethene	3.73	96	63566	19.026	ug/l 97
11) Methyl Iodide	3.94	142	81553	17.627	ug/l 97
12) Methyl Acetate	4.31	43	90709	18.185	ug/l 95
13) Acrolein	3.60	56	19044	67.285	ug/l 92
14) Acrylonitrile	4.97	53	161296	88.846	ug/l 99
15) Acetone	3.81	58	39647	77.856	ug/l 97
16) Carbon Disulfide	4.05	76	155487	18.526	ug/l 95
17) Allyl chloride	4.31	41	136829	19.176	ug/l 99
18) Methylene Chloride	4.54	84	76153	18.190	ug/l 97
19) trans-1,2-Dichloroethene	5.03	96	66896	18.929	ug/l 93
20) Diisopropyl ether	5.93	45	292057	18.995	ug/l 100
21) 1,1-Dichloroethane	5.83	63	148772	18.772	ug/l 99
22) cis-1,2-Dichloroethene	6.82	96	81717	18.931	ug/l 98
23) tert-Butyl Alcohol	4.76	59	53753	81.428	ug/l # 100
24) Methyl tert-Butyl Ether	5.03	73	249003	18.757	ug/l 98
25) Chloroform	7.36	83	157414	19.161	ug/l 100
26) Cyclohexane	7.64	56	125755	18.634	ug/l # 95
29) 1,1-Dichloropropene	7.78	75	105829	19.002	ug/l 98
30) 2-Butanone	6.82	43	231353	87.936	ug/l # 98
31) 2,2-Dichloropropane	6.82	77	122681	17.798	ug/l # 75
32) 1,1,1-Trichloroethane	7.56	97	135795	19.694	ug/l 99
33) Carbon Tetrachloride	7.76	117	109250	19.511	ug/l 93
34) Benzene	8.03	78	311325	19.460	ug/l 95
35) Methacrylonitrile	7.16	41	52363	21.726	ug/l 94
36) 1,2-Dichloroethane	8.11	62	136651	19.167	ug/l # 100
37) Trichloroethene	8.83	130	74045	19.492	ug/l 91
38) Methylcyclohexane	9.08	83	117524	19.016	ug/l 98
39) 1,2-Dichloropropane	9.11	63	85309	19.501	ug/l 92
40) Dibromomethane	9.20	93	53971	19.032	ug/l 98

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Sep 04 02:08:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

41) Bromodichloromethane	9.40	83	114874	18.741	ug/l #	98
42) Vinyl Acetate	5.88	43	1145572	99.066	ug/l	100
43) Ethyl Acetate	6.91	43	93663	17.288	ug/l #	79
44) Isopropyl Acetate	8.15	43	188406	18.601	ug/l	100
45) 1,4-Dioxane	9.19	88	20107	309.249	ug/l #	91
46) Methyl methacrylate	9.19	41	89733	18.258	ug/l	96
47) n-amyl Acetate	12.07	43	124560	15.857	ug/l	98
48) t-1,3-Dichloropropene	10.38	75	112894	17.559	ug/l	92
49) cis-1,3-Dichloropropene	9.83	75	124053	18.084	ug/l	96
50) 1,1,2-Trichloroethane	10.56	97	73190	19.136	ug/l	97
51) Ethyl methacrylate	10.43	69	109613	17.581	ug/l	100
52) 1,3-Dichloropropane	10.70	76	126348	18.560	ug/l	99
53) Dibromochloromethane	10.90	129	71484	17.908	ug/l	98
54) 1,2-Dibromoethane	11.00	107	71069	18.588	ug/l	97
55) 2-Chloroethyl vinyl ether	9.69	63	122392	62.129	ug/l	98
56) Bromoform	12.13	173	41398	16.724	ug/l	98
58) 4-Methyl-2-Pentanone	9.98	43	523378	101.570	ug/l	99
59) 2-Hexanone	10.75	43	340476	93.374	ug/l	98
61) Tetrachloroethene	10.63	164	69239	20.680	ug/l	98
62) Toluene	10.15	91	319034	19.488	ug/l	100
64) Chlorobenzene	11.43	112	182872	19.024	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	70815	20.109	ug/l	95
66) Ethyl Benzene	11.51	91	362276	19.797	ug/l	98
67) m/p-Xylenes	11.62	106	241800	37.676	ug/l	98
68) o-Xylene	11.95	106	119793	18.746	ug/l	95
69) Styrene	11.96	104	178076	17.386	ug/l	98
70) Isopropylbenzene	12.25	105	340025	19.398	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.51	83	89285	19.360	ug/l	98
72) 1,2,3-Trichloropropane	12.55	75	81037m	18.683	ug/l	
73) Bromobenzene	12.53	156	66961	18.027	ug/l	99
74) n-propylbenzene	12.59	91	343942	17.726	ug/l	99
75) 2-Chlorotoluene	12.68	91	226145	18.616	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	275314	18.920	ug/l	97
77) t-1,4-Dichloro-2-butene	12.30	75	21015	15.872	ug/l	90
78) 4-Chlorotoluene	12.78	91	193833	16.794	ug/l	100
79) tert-butylbenzene	12.99	119	229352	18.352	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	246029	17.995	ug/l	100
81) sec-Butylbenzene	13.17	105	283677	17.614	ug/l	99
82) p-Isopropyltoluene	13.29	119	227683	16.645	ug/l	99
83) 1,3-Dichlorobenzene	13.29	146	95522	17.171	ug/l	99
84) 1,4-Dichlorobenzene	13.37	146	88057	16.768	ug/l	97
85) n-Butylbenzene	13.62	91	193071	16.058	ug/l	99
86) Hexachloroethane	13.88	117	45122	18.229	ug/l	96
87) 1,2-Dichlorobenzene	13.66	146	96803	18.861	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.27	75	10384	15.358	ug/l	97
89) 1,2,4-Trichlorobenzene	14.91	180	22440	12.619	ug/l	92
90) Hexachlorobutadiene	15.01	225	33845	17.159	ug/l	98
91) Naphthalene	15.13	128	52645	11.399	ug/l	98
92) 1,2,3-Trichlorobenzene	15.30	180	22183	12.838	ug/l	93

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QLast Update : Wed Sep 04 02:08:50 2019
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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

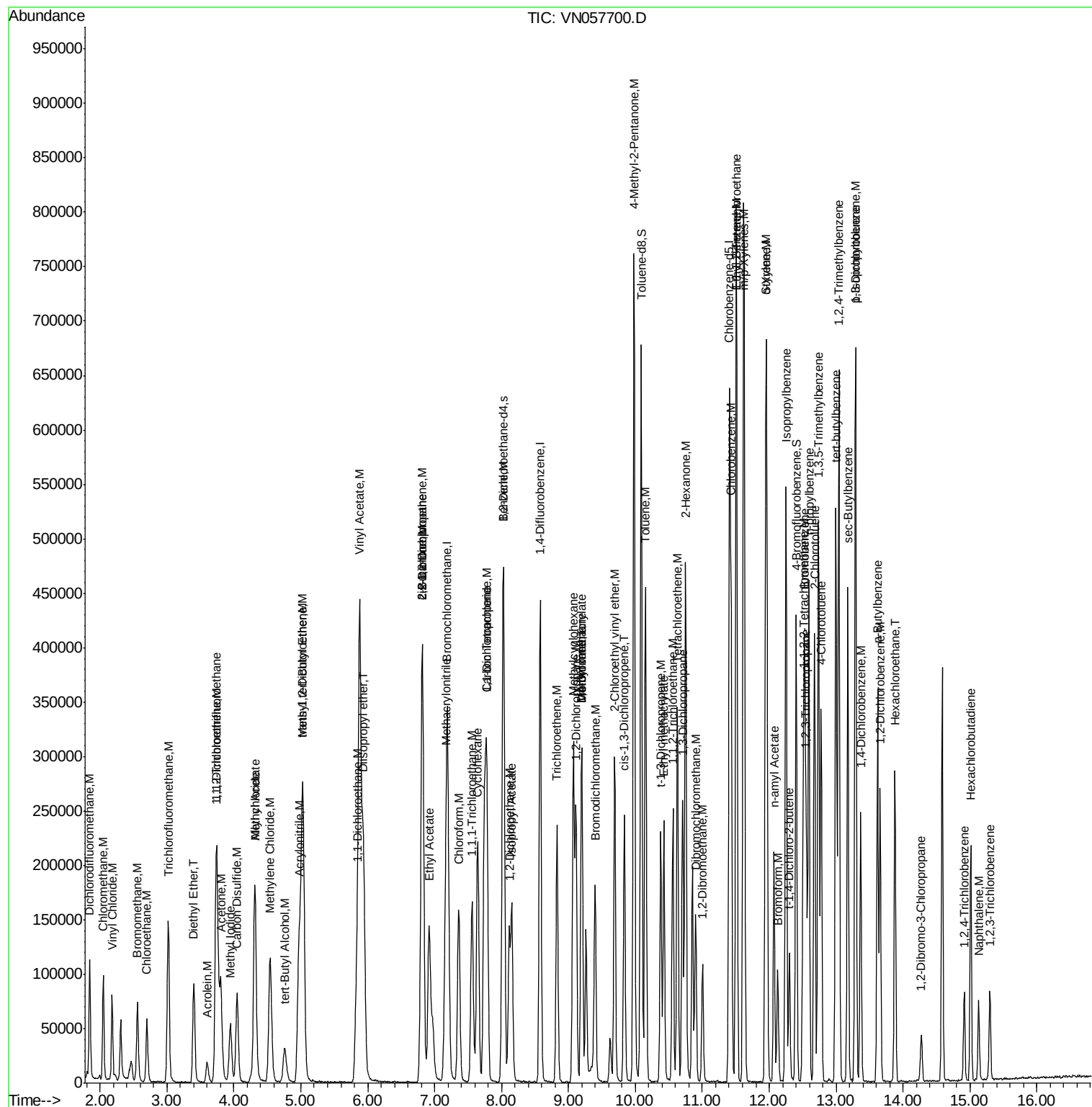
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 Data File : VN057700.D
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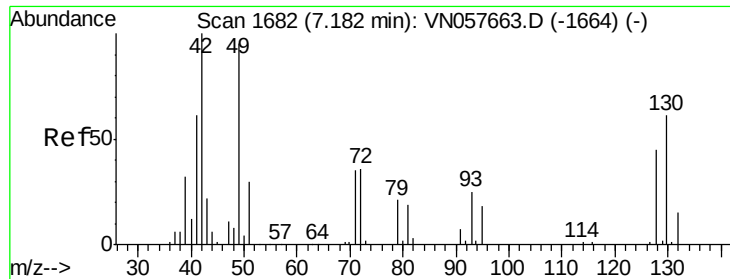
Instrument :
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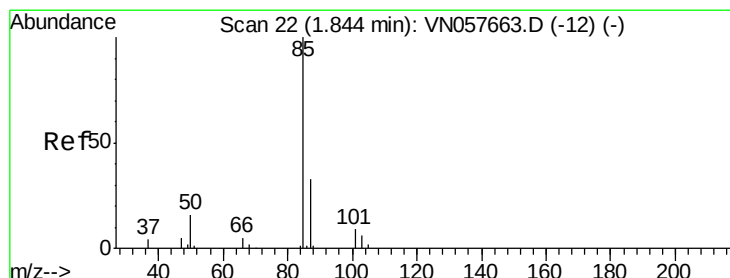
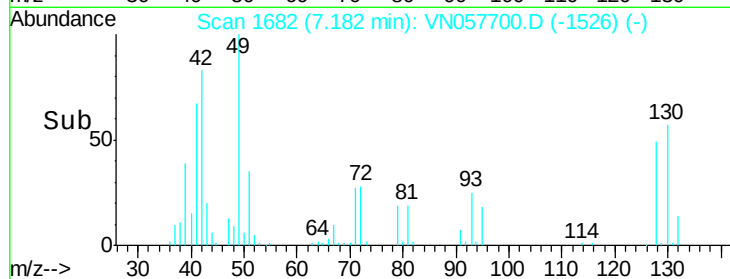
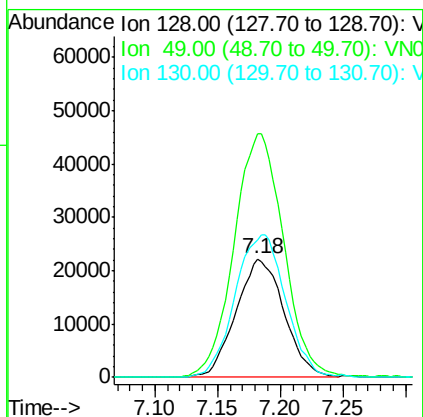
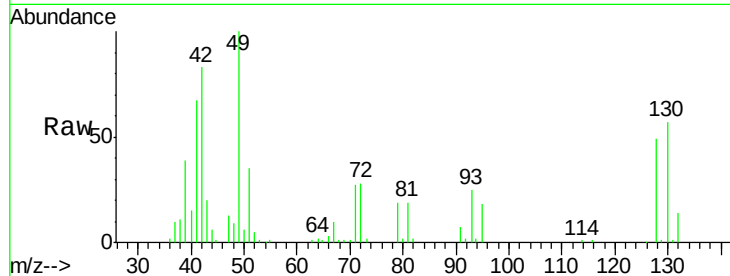
#1
 Bromochloromethane
 Concen: 30.000 ug/l
 RT: 7.18 min Scan# 1682
 Delta R.T. 0.00 min
 Lab File: VN057700.D
 Acq: 5 Sep 2019 12:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
128	100		
49	211.7	0.0	544.5
130	126.4	0.0	324.7

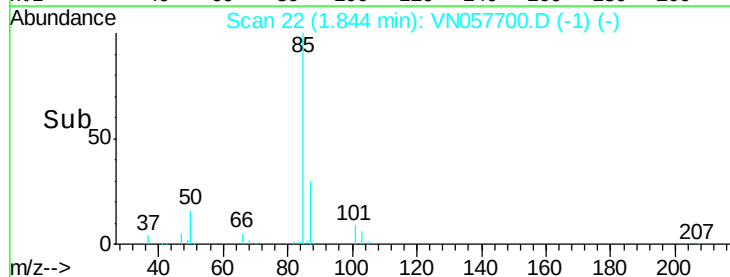
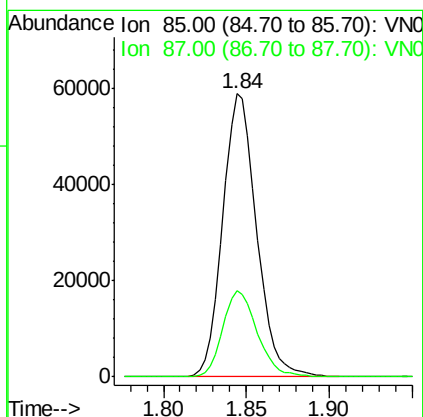
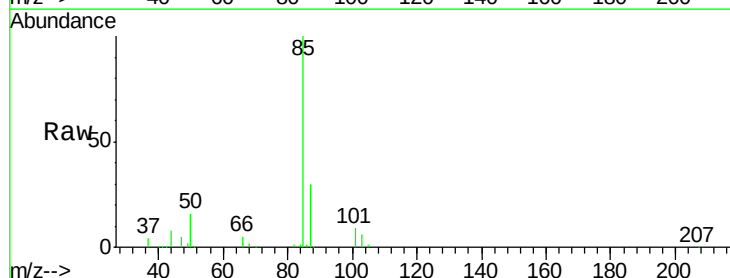
Manual Integrations
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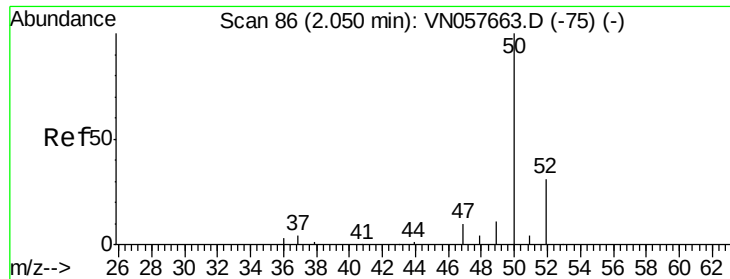
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#2
 Dichlorodifluoromethane
 Concen: 19.646 ug/l
 RT: 1.84 min Scan# 22
 Delta R.T. 0.00 min
 Lab File: VN057700.D
 Acq: 5 Sep 2019 12:53

Tgt Ion	Ratio	Lower	Upper
85	100		
87	30.4	16.6	49.7





#3

Chloromethane

Concen: 17.405 ug/l

RT: 2.05 min Scan# 85

Delta R.T. -0.00 min

Lab File: VN057700.D

Acq: 5 Sep 2019 12:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 50 Resp: 78312

Ion Ratio Lower Upper

50 100

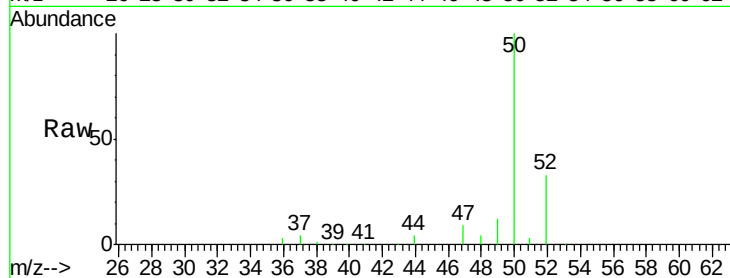
52 33.1 25.2 37.8

Manual Integrations

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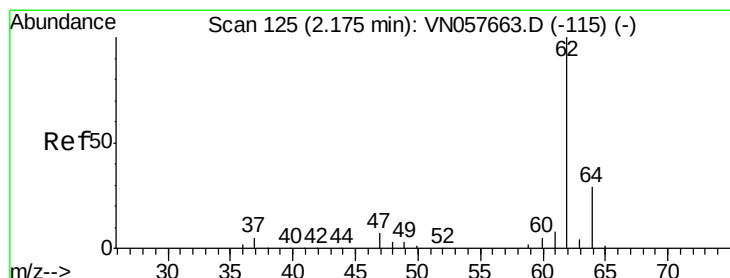
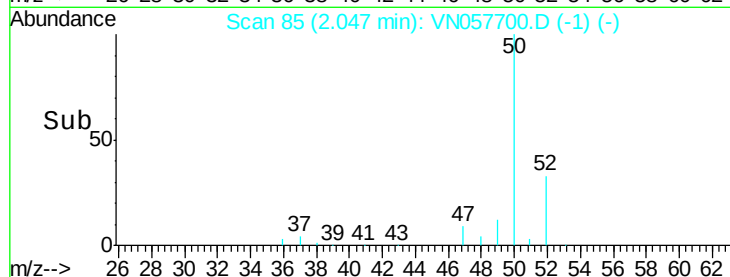
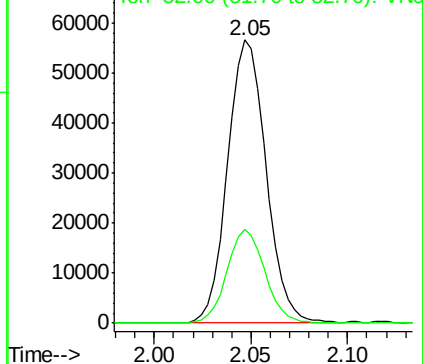
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Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#4

Vinyl Chloride

Concen: 19.097 ug/l

RT: 2.18 min Scan# 127

Delta R.T. 0.01 min

Lab File: VN057700.D

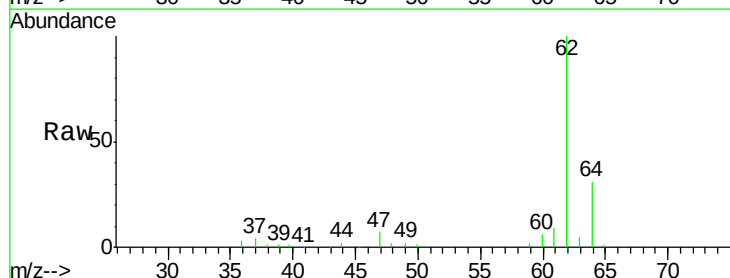
Acq: 5 Sep 2019 12:53

Tgt Ion: 62 Resp: 70267

Ion Ratio Lower Upper

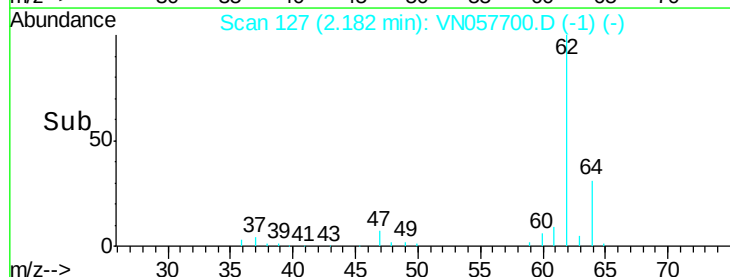
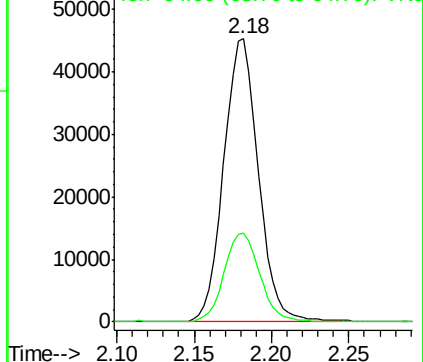
62 100

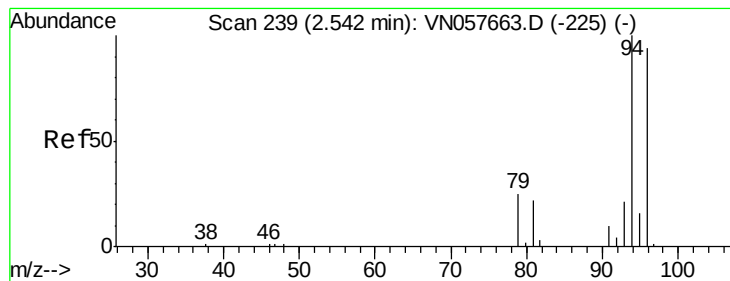
64 31.5 23.2 34.8



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0





#5

Bromomethane

Concen: 19.925 ug/l

RT: 2.56 min Scan# 244

Delta R.T. 0.02 min

Lab File: VN057700.D

Acq: 5 Sep 2019 12:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 94 Resp: 46868

Ion Ratio Lower Upper

94 100

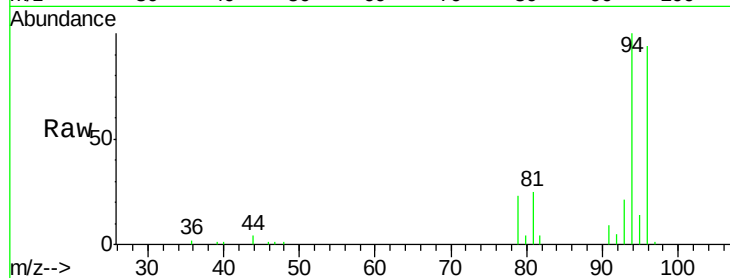
96 94.2 75.6 113.4

Manual Integrations

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Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0

25000

20000

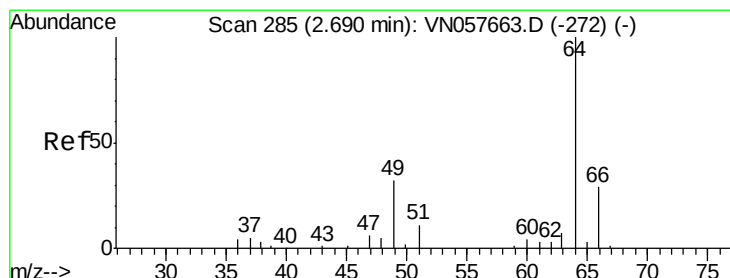
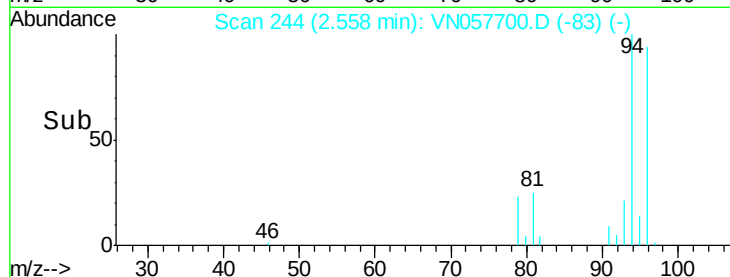
15000

10000

5000

0

Time-->



#6

Chloroethane

Concen: 18.189 ug/l

RT: 2.70 min Scan# 288

Delta R.T. 0.01 min

Lab File: VN057700.D

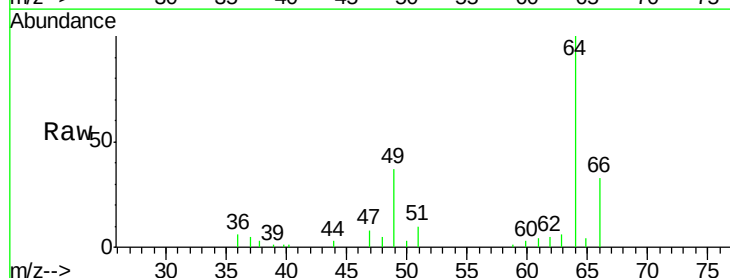
Acq: 5 Sep 2019 12:53

Tgt Ion: 64 Resp: 48871

Ion Ratio Lower Upper

64 100

66 33.4 23.5 35.3



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0

25000

20000

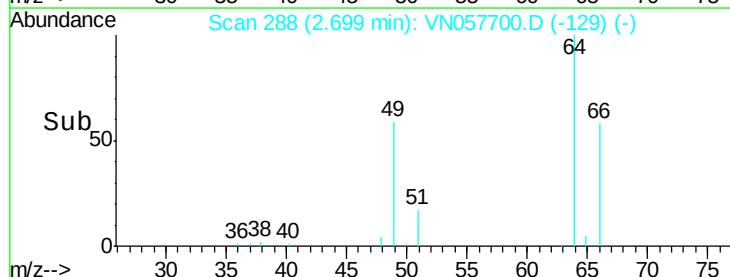
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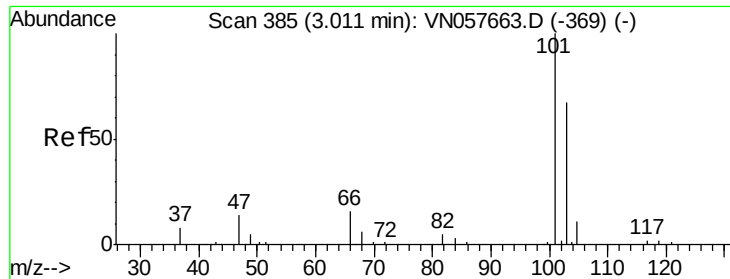
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5000

0

Time-->





#7

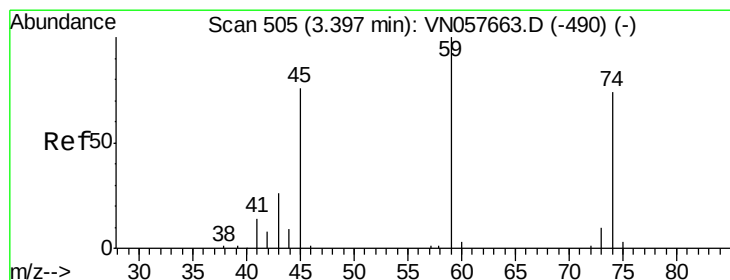
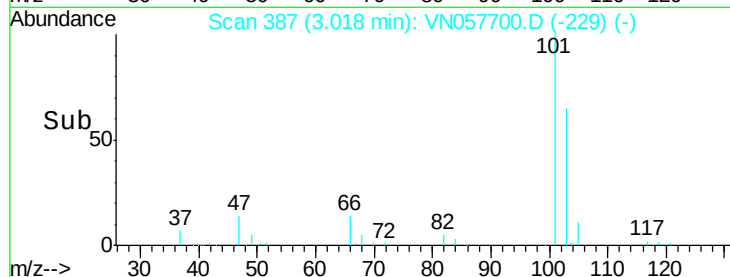
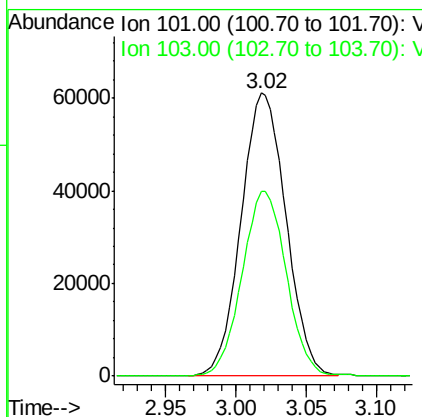
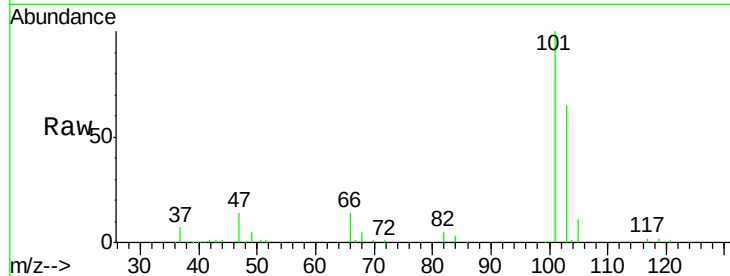
Trichlorofluoromethane
Concen: 19.310 ug/l
RT: 3.02 min Scan# 387
Delta R.T. 0.01 min
Lab File: VN057700.D
Acq: 5 Sep 2019 12:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.3	53.6	80.4

Manual Integrations
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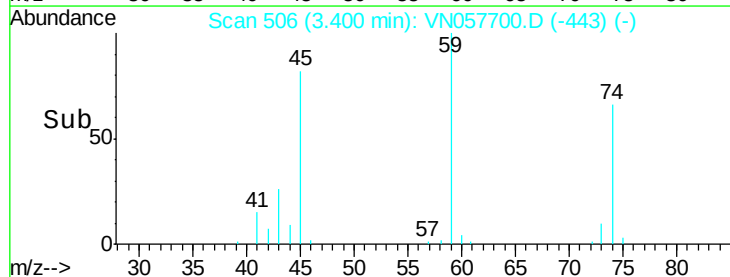
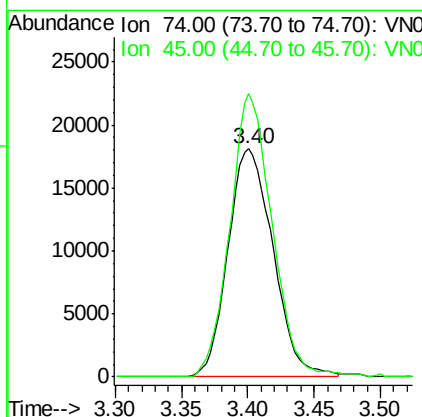
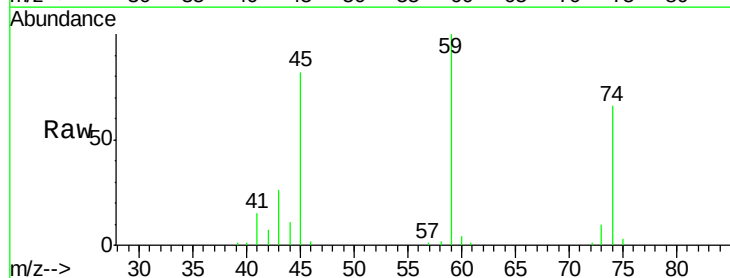
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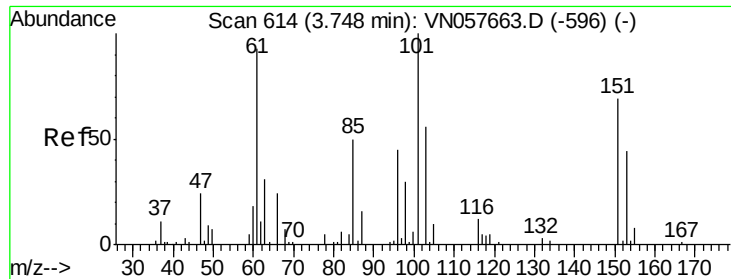


#8

Diethyl Ether
Concen: 18.467 ug/l
RT: 3.40 min Scan# 506
Delta R.T. 0.00 min
Lab File: VN057700.D
Acq: 5 Sep 2019 12:53

Tgt Ion	Ratio	Lower	Upper
74	100		
45	114.9	22.9	205.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.162 ug/l

RT: 3.75 min Scan# 616

Delta R.T. 0.01 min

Lab File: VN057700.D

Acq: 5 Sep 2019 12:53

Instrument :

MSVOA_N

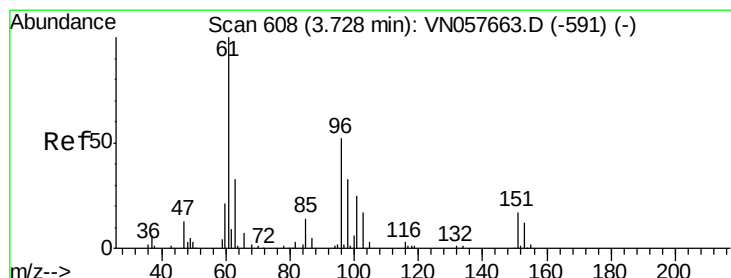
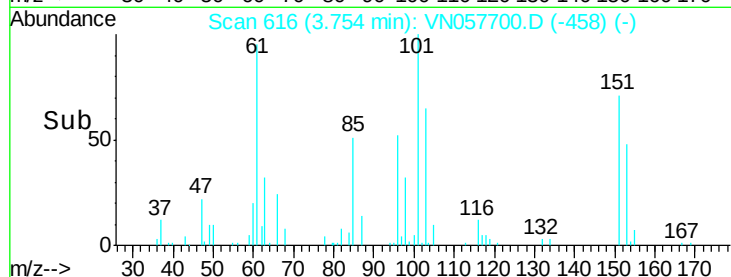
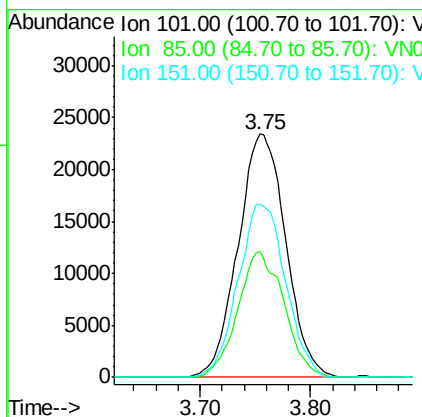
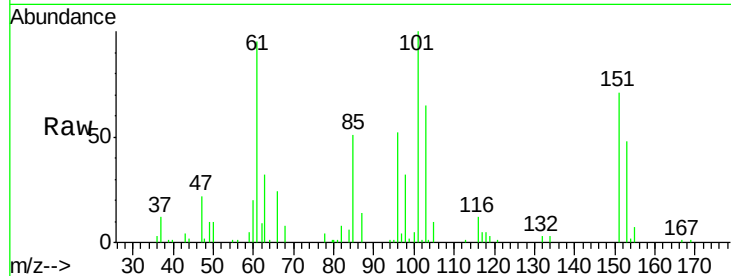
ClientSampleId :

VSTDCCC020EC

Tot Ion:	101	Resp:	70175
Ion Ratio	Lower	Upper	
101	100		
85	50.1	0.0	100.2
151	70.8	0.0	140.6

Manual Integrations
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MMDadoda
9/6/2019 8:26:30 AM



#10

1,1-Dichloroethene

Concen: 19.026 ug/l

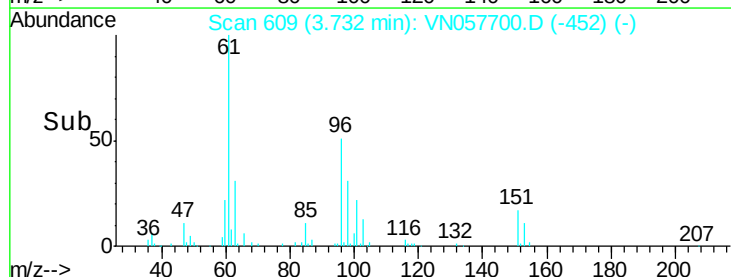
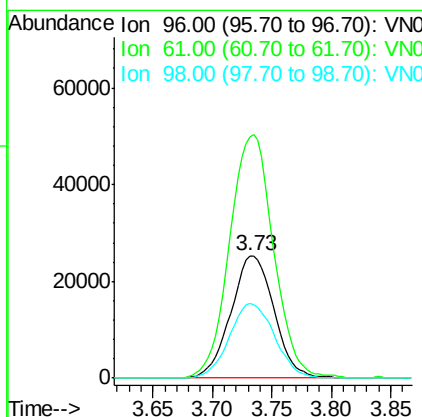
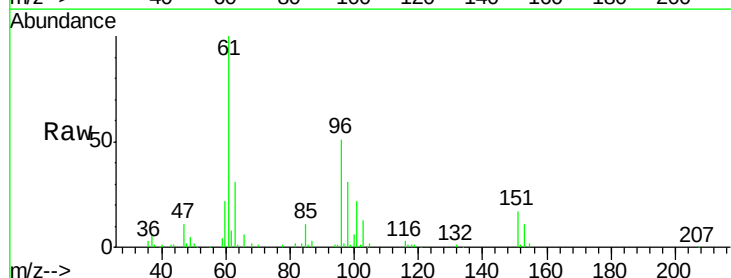
RT: 3.73 min Scan# 609

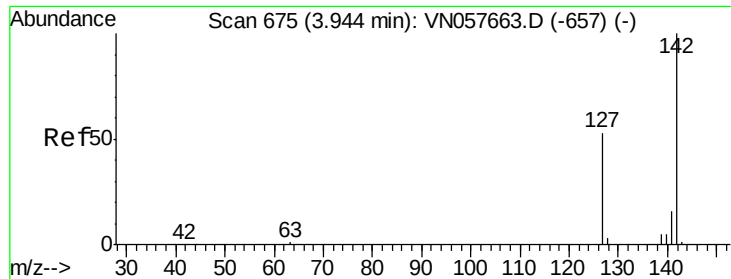
Delta R.T. 0.00 min

Lab File: VN057700.D

Acq: 5 Sep 2019 12:53

Tgt Ion:	96	Resp:	63566
Ion Ratio	Lower	Upper	
96	100		
61	195.9	152.9	229.3
98	61.2	51.0	76.4





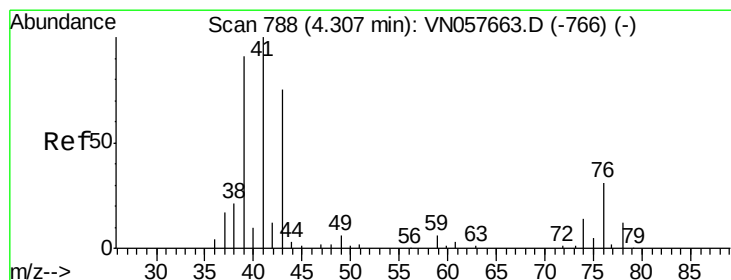
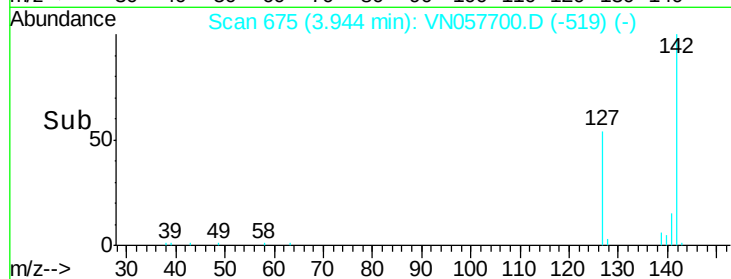
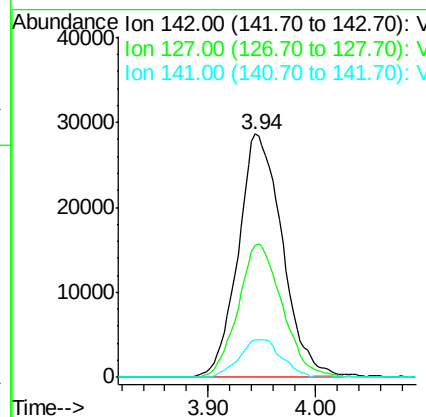
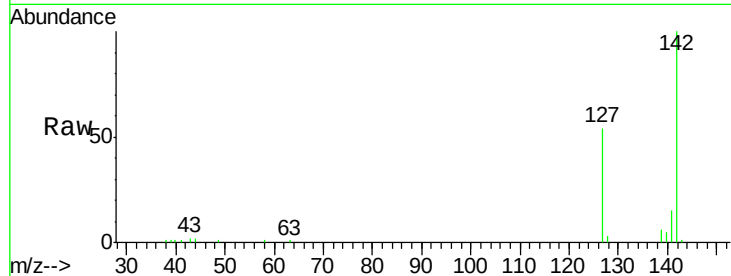
#11
Methvl Iodide
Concen: 17.627 ug/l
RT: 3.94 min Scan# 675
Delta R.T. 0.00 min
Lab File: VN057700.D
Acq: 5 Sep 2019 12:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
142	100		
127	54.6	26.2	78.5
141	15.5	7.6	22.9

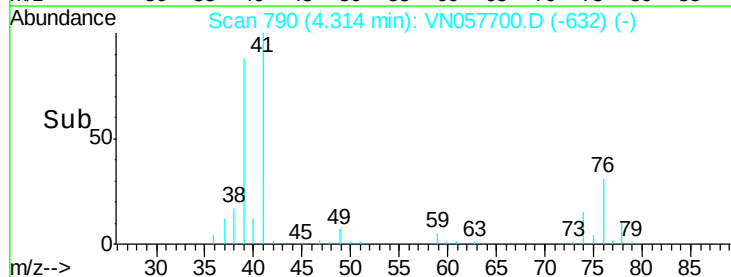
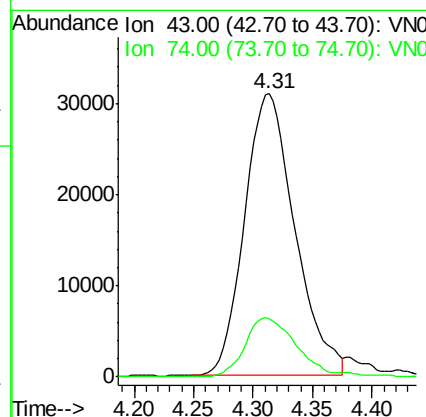
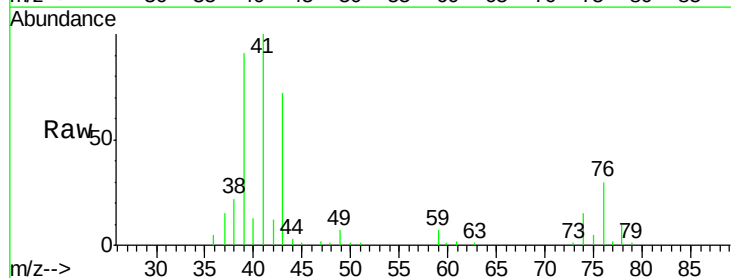
Manual Integrations
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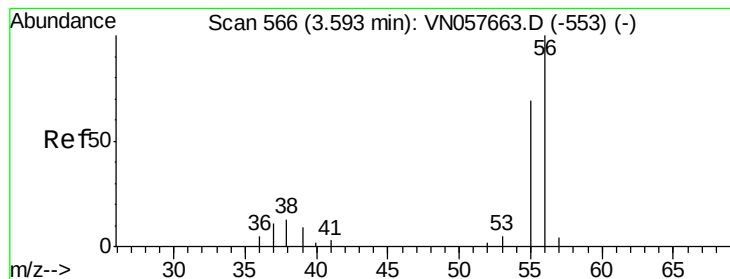
MMDadoda
9/6/2019 8:26:30 AM



#12
Methyl Acetate
Concen: 18.185 ug/l
RT: 4.31 min Scan# 790
Delta R.T. 0.01 min
Lab File: VN057700.D
Acq: 5 Sep 2019 12:53

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.5	14.6	22.0





#13

Acrolein

Concen: 67.285 ug/l

RT: 3.60 min Scan# 567

Delta R.T. 0.00 min

Lab File: VN057700.D

Acq: 5 Sep 2019 12:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 56 Resp: 19044

Ion Ratio Lower Upper

56 100

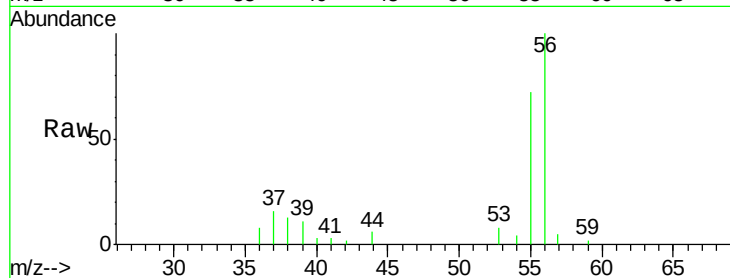
55 74.5 54.2 81.4

Manual Integrations

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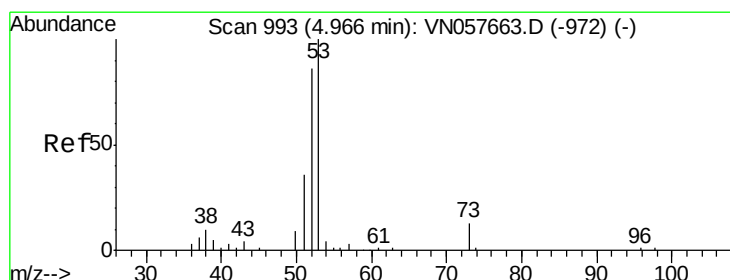
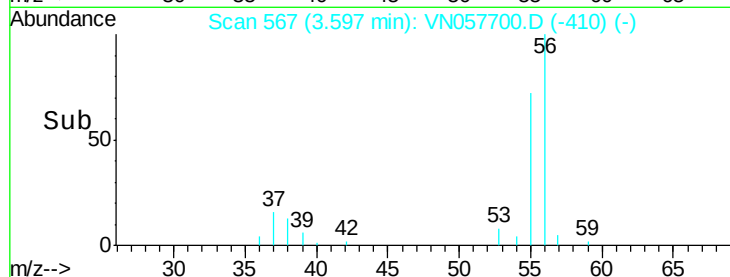
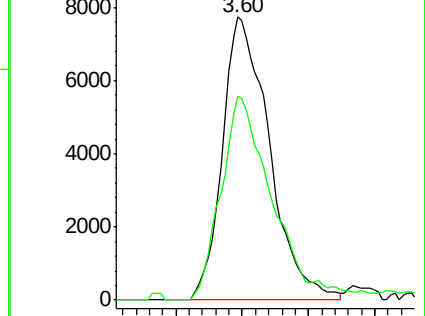
MMDadoda

9/6/2019 8:26:30 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 88.846 ug/l

RT: 4.97 min Scan# 995

Delta R.T. 0.01 min

Lab File: VN057700.D

Acq: 5 Sep 2019 12:53

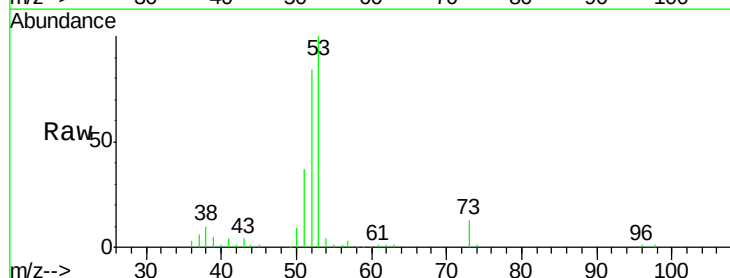
Tgt Ion: 53 Resp: 161296

Ion Ratio Lower Upper

53 100

52 82.1 41.9 125.7

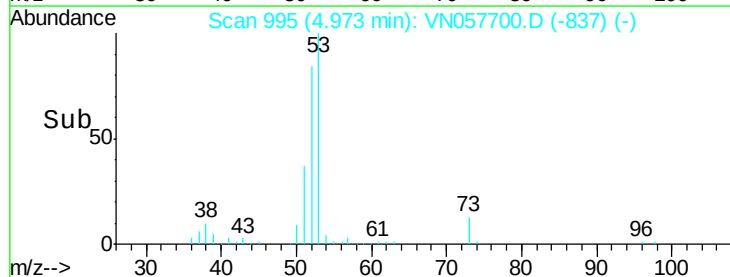
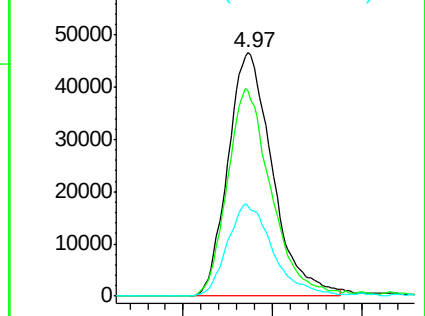
51 38.8 19.4 58.2

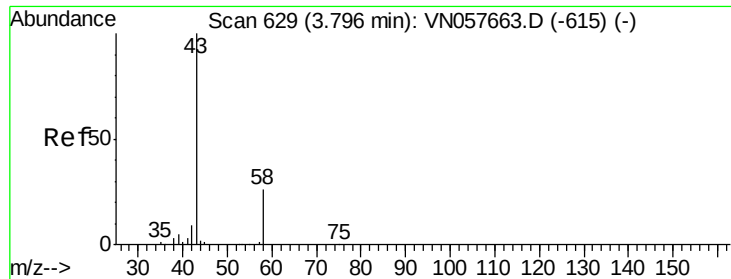


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 77.856 ug/l

RT: 3.81 min Scan# 632

Delta R.T. 0.01 min

Lab File: VN057700.D

Acq: 5 Sep 2019 12:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 58 Resp: 39647

Ion Ratio Lower Upper

58 100

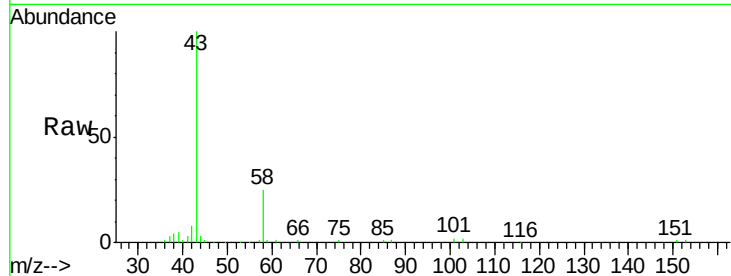
43 392.4 308.8 463.2

Manual Integrations

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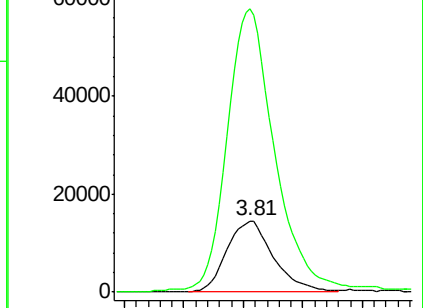
MMDadoda

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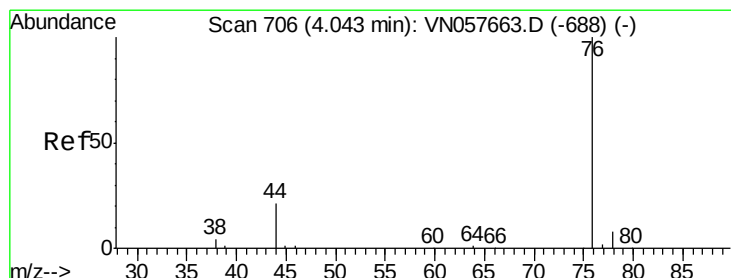
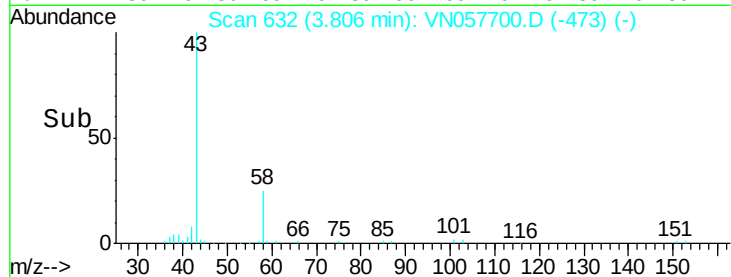


Abundance Ion 58.00 (57.70 to 58.70): VN057700.D (-473) (-)

Ion 43.00 (42.70 to 43.70): VN057700.D (-473) (-)



Time-->



#16

Carbon Disulfide

Concen: 18.526 ug/l

RT: 4.05 min Scan# 707

Delta R.T. 0.00 min

Lab File: VN057700.D

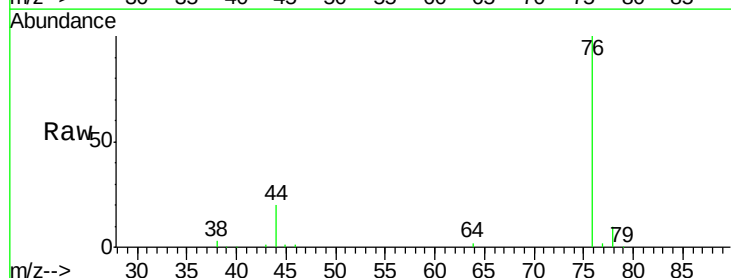
Acq: 5 Sep 2019 12:53

Tgt Ion: 76 Resp: 155487

Ion Ratio Lower Upper

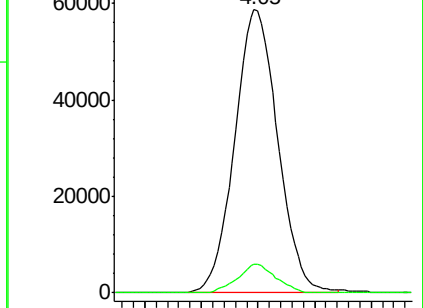
76 100

78 10.1 6.8 10.2

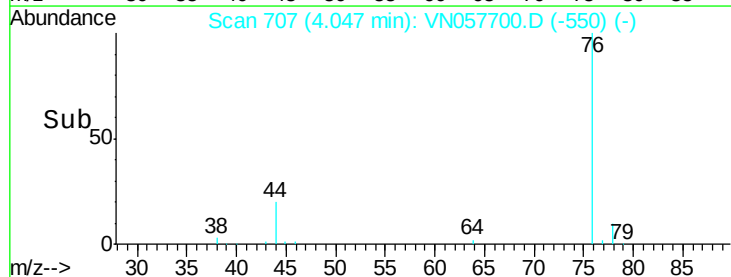


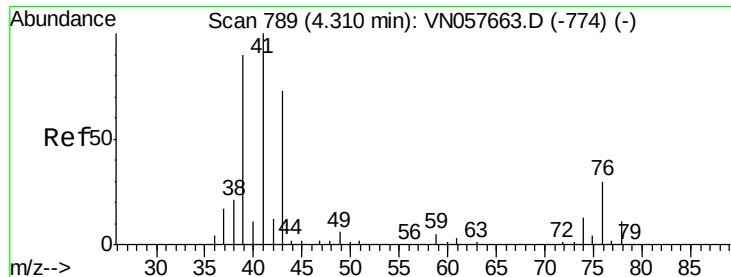
Abundance Ion 76.00 (75.70 to 76.70): VN057700.D (-550) (-)

Ion 78.00 (77.70 to 78.70): VN057700.D (-550) (-)



Time-->





#17

Allvl chloride

Concen: 19.176 ug/l

RT: 4.31 min Scan# 789

Delta R.T. 0.00 min

Lab File: VN057700.D

Acq: 5 Sep 2019 12:53

Instrument :

MSVOA_N

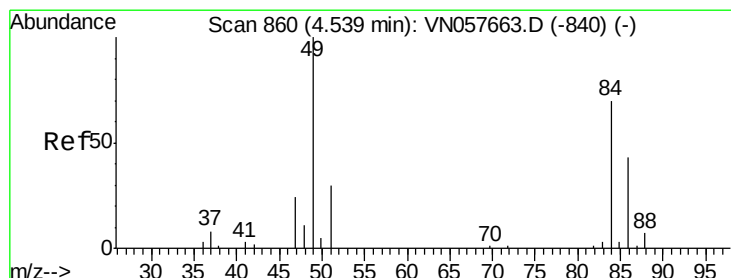
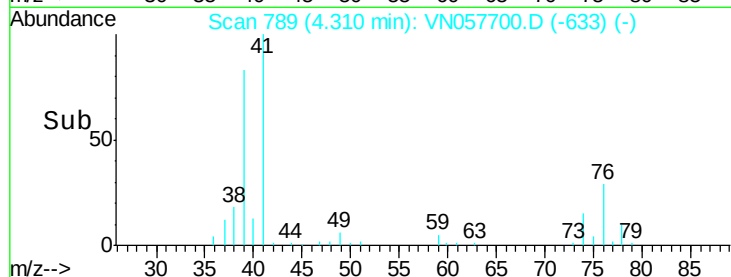
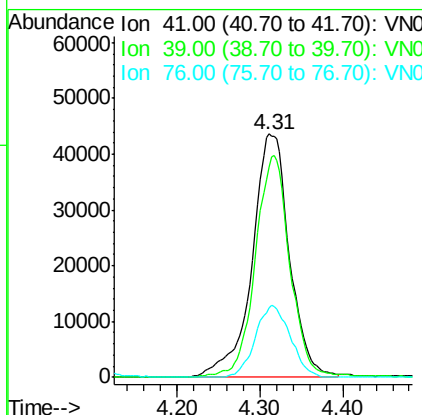
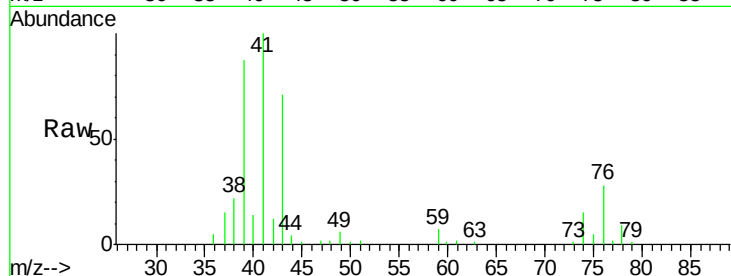
ClientSampleId :

VSTDCCC020EC

Tot Ion:	41	Resp:	136829
Ion	Ratio	Lower	Upper
41	100		
39	86.6	43.0	128.8
76	28.3	14.2	42.8

Manual Integrations
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9/6/2019 8:26:30 AM



#18

Methylene Chloride

Concen: 18.190 ug/l

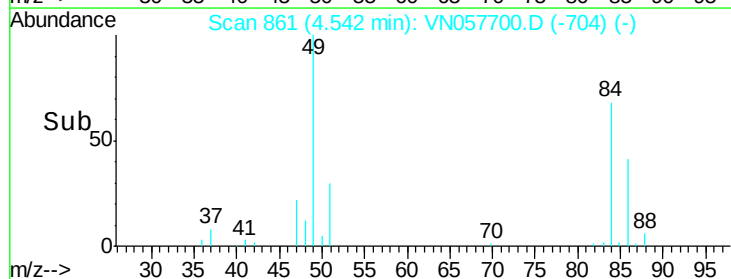
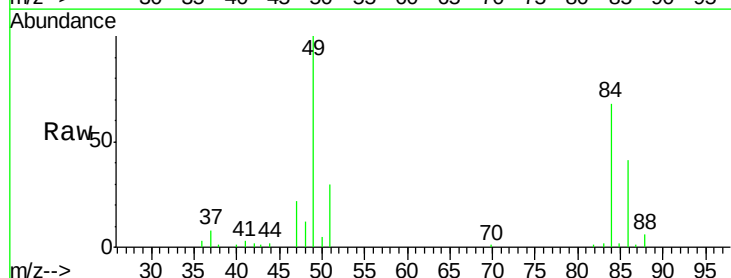
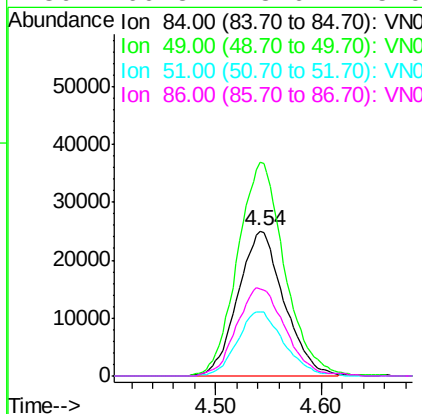
RT: 4.54 min Scan# 861

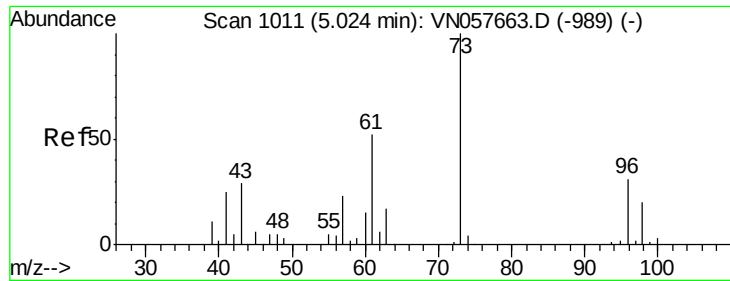
Delta R.T. 0.00 min

Lab File: VN057700.D

Acq: 5 Sep 2019 12:53

Tgt Ion:	84	Resp:	76153
Ion	Ratio	Lower	Upper
84	100		
49	147.1	113.7	170.5
51	44.5	34.5	51.7
86	60.3	48.6	73.0





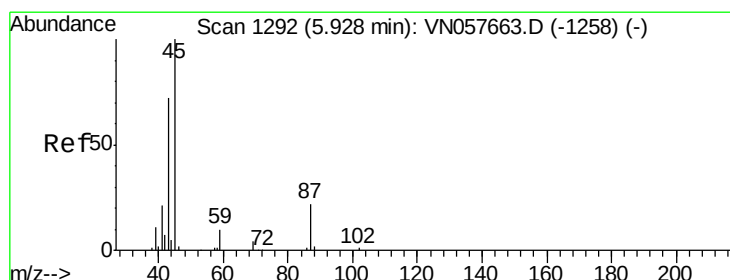
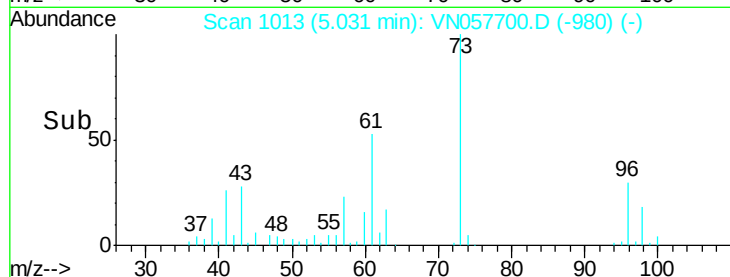
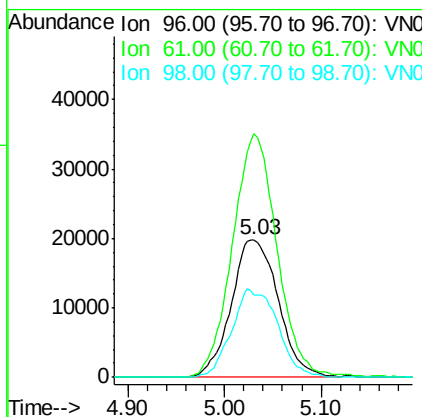
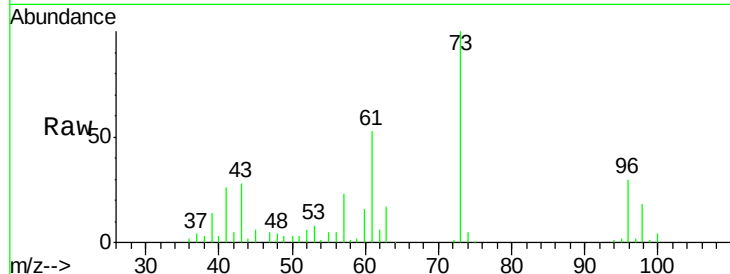
#19
trans-1,2-Dichloroethene
Concen: 18.929 ug/l
RT: 5.03 min Scan# 1013
Delta R.T. 0.01 min
Lab File: VN057700.D
Acq: 5 Sep 2019 12:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	176.9	133.4	200.0
98	60.0	50.4	75.6

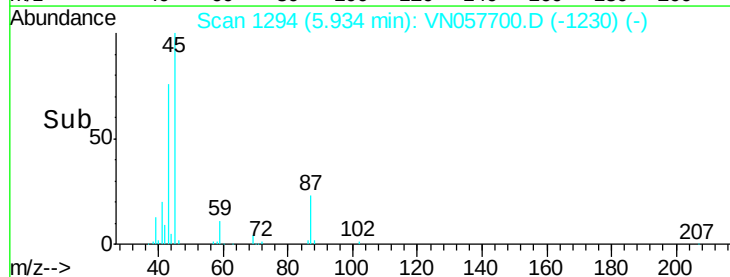
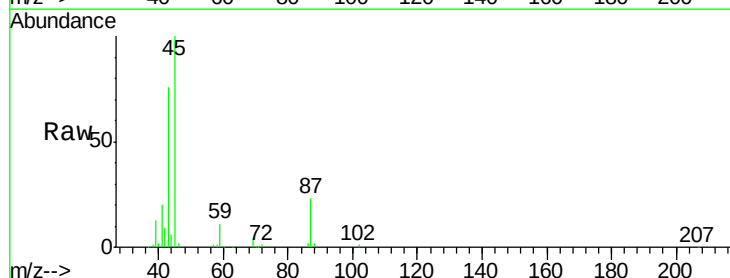
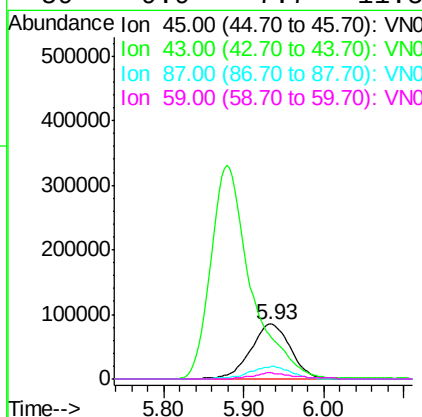
Manual Integrations
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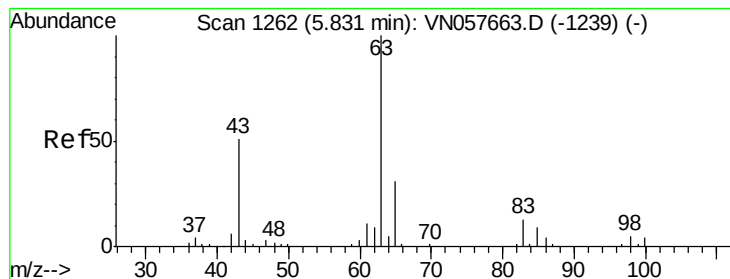
MMDadoda
9/6/2019 8:26:30 AM



#20
Diisopropyl ether
Concen: 18.995 ug/l
RT: 5.93 min Scan# 1294
Delta R.T. 0.01 min
Lab File: VN057700.D
Acq: 5 Sep 2019 12:53

Tgt Ion	Ratio	Lower	Upper
45	100		
43	72.8	58.3	87.5
87	22.6	18.5	27.7
59	9.9	7.7	11.5





#21

1,1-Dichloroethane

Concen: 18.772 ug/l

RT: 5.83 min Scan# 1263

Delta R.T. 0.00 min

Lab File: VN057700.D

Acq: 5 Sep 2019 12:53

Instrument :

MSVOA_N

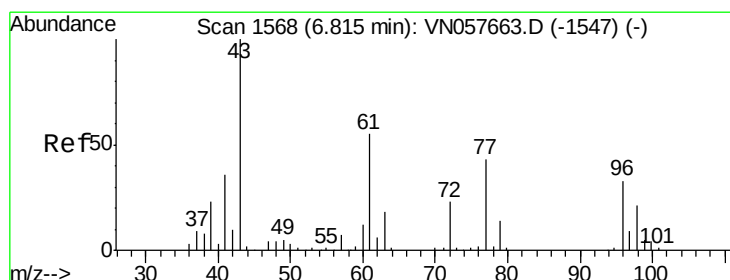
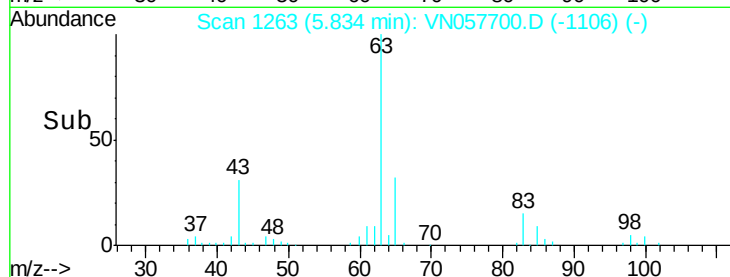
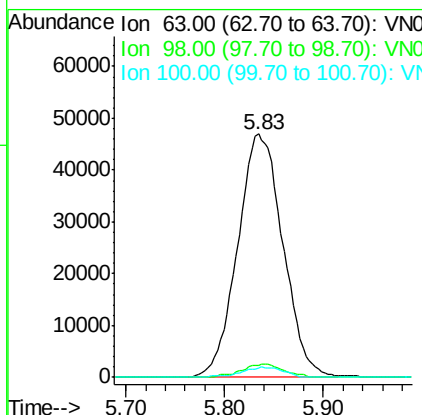
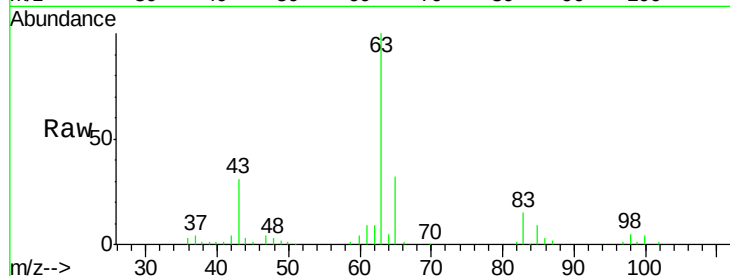
ClientSampleId :

VSTDCCC020EC

Tot Ion:	63	Resp:	148772
Ion	Ratio	Lower	Upper
63	100		
98	4.9	2.6	7.8
100	4.0	1.8	5.5

Manual Integrations
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MMDadoda
9/6/2019 8:26:30 AM



#22

cis-1,2-Dichloroethene

Concen: 18.931 ug/l

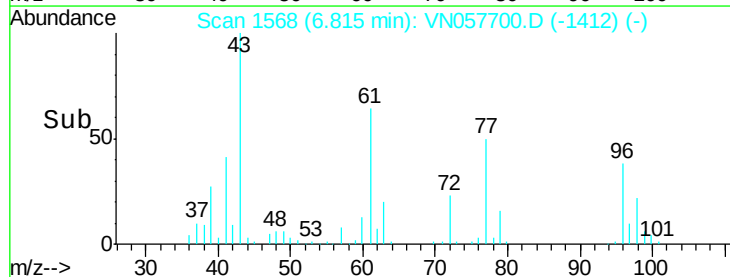
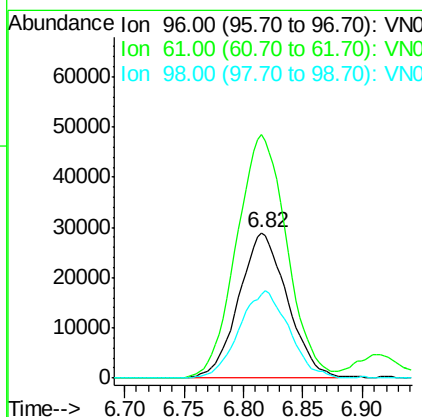
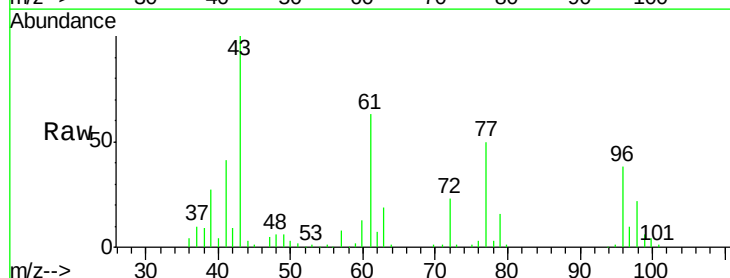
RT: 6.82 min Scan# 1568

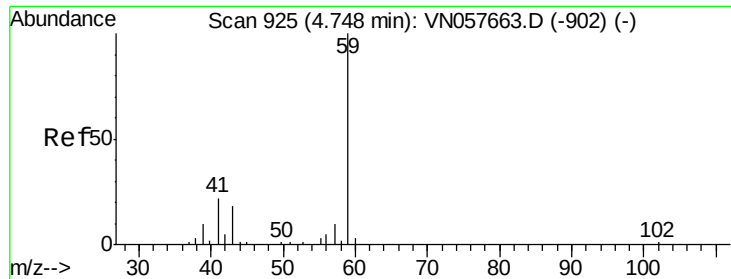
Delta R.T. 0.00 min

Lab File: VN057700.D

Acq: 5 Sep 2019 12:53

Tgt Ion:	96	Resp:	81717
Ion	Ratio	Lower	Upper
96	100		
61	173.6	137.2	205.8
98	61.8	50.5	75.7





#23

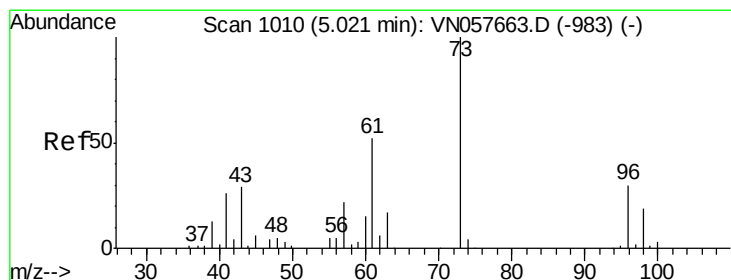
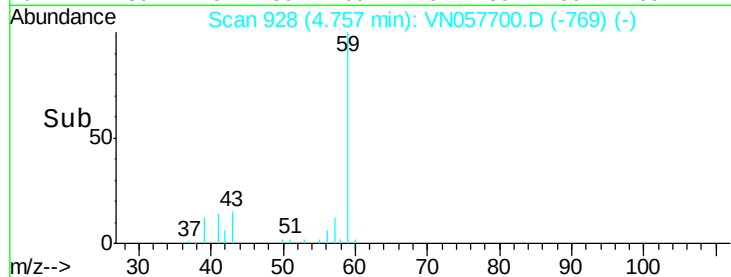
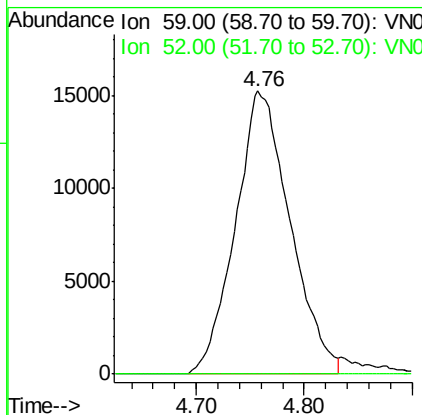
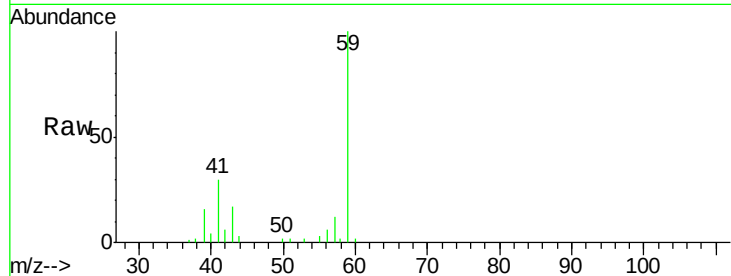
tert-Butyl Alcohol
 Concen: 81.428 ug/l
 RT: 4.76 min Scan# 928
 Delta R.T. 0.01 min
 Lab File: VN057700.D
 Acq: 5 Sep 2019 12:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

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

Manual Integrations
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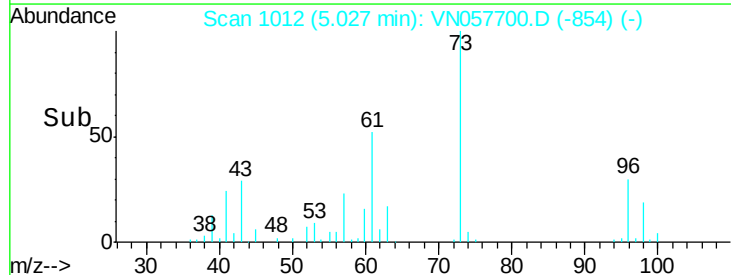
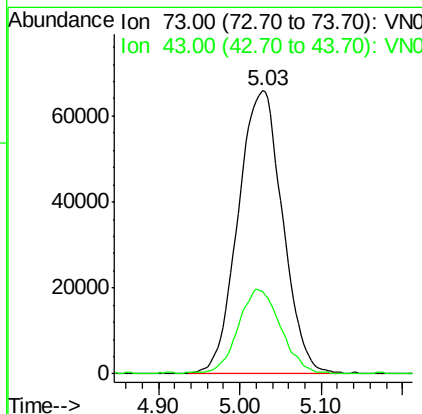
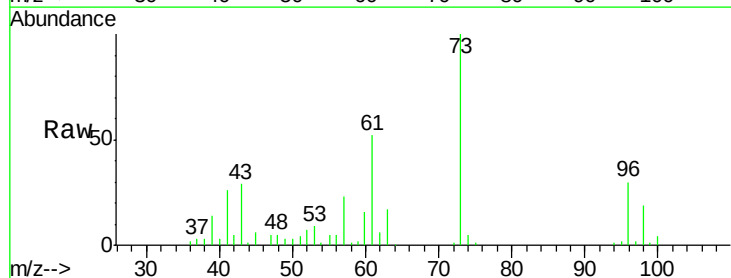
MMDadoda
 9/6/2019 8:26:30 AM

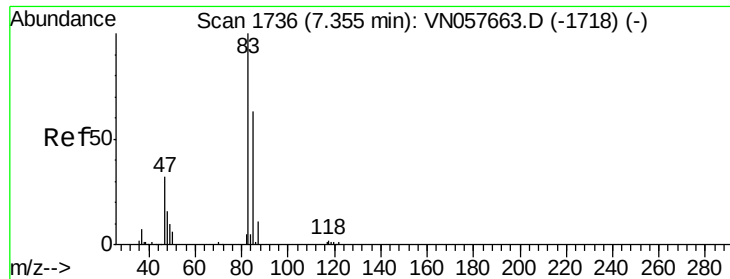


#24

Methyl tert-Butyl Ether
 Concen: 18.757 ug/l
 RT: 5.03 min Scan# 1012
 Delta R.T. 0.01 min
 Lab File: VN057700.D
 Acq: 5 Sep 2019 12:53

Tgt Ion	73	Ratio	Lower	Upper
73	100			
43	27.9	23.2	34.8	





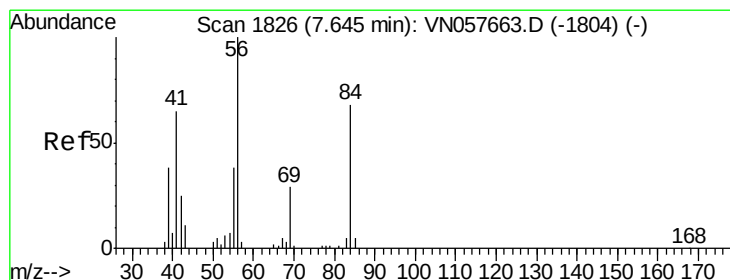
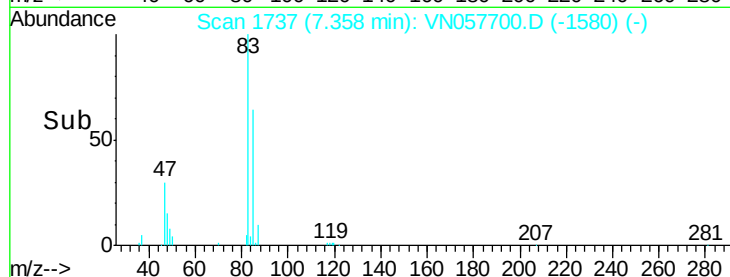
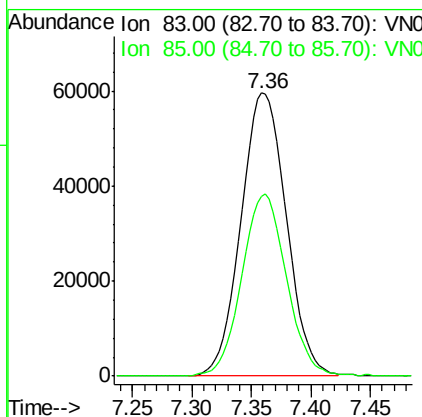
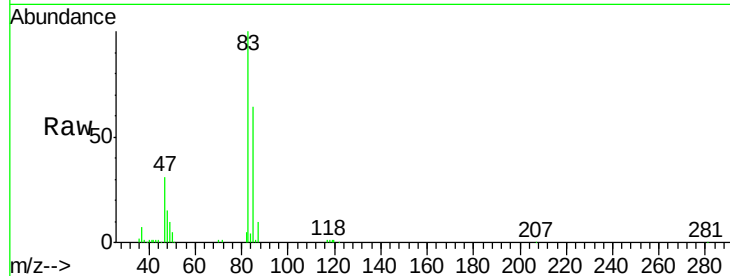
#25
Chloroform
Concen: 19.161 ug/l
RT: 7.36 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VN057700.D
Acq: 5 Sep 2019 12:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	83	Resp	157414
Ion Ratio	Lower	Upper	
83	100		
85	63.5	50.8	76.2

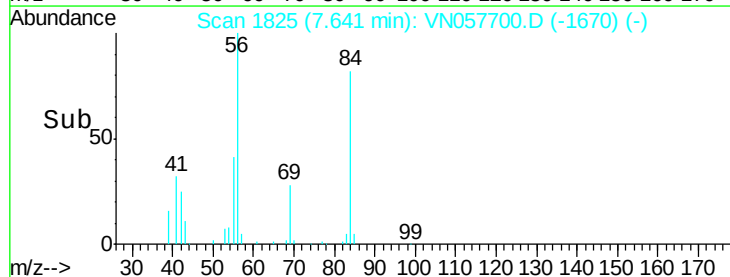
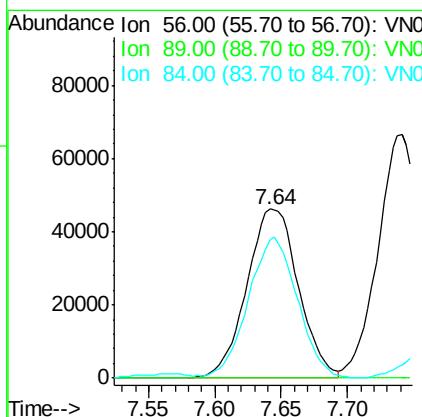
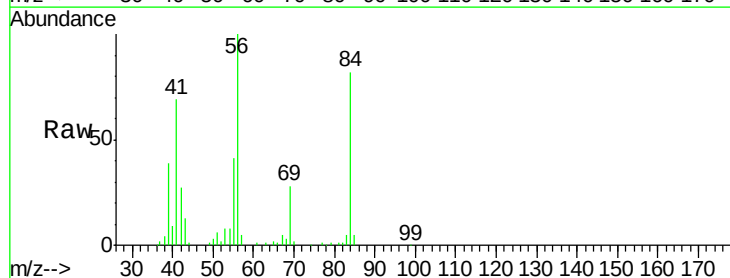
Manual Integrations
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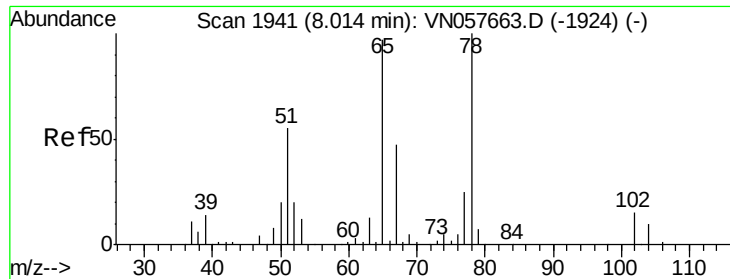
MMDadoda
9/6/2019 8:26:30 AM



#26
Cyclohexane
Concen: 18.634 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. -0.00 min
Lab File: VN057700.D
Acq: 5 Sep 2019 12:53

Tgt Ion	56	Resp	125755
Ion Ratio	Lower	Upper	
56	100		
89	0.0	0.0	0.0
84	79.4	60.4	90.6





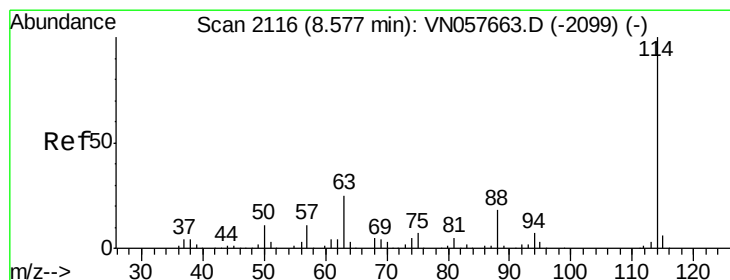
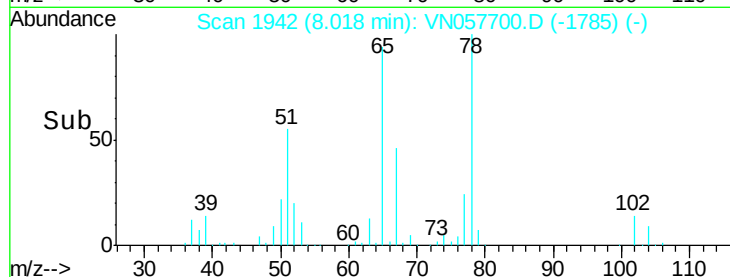
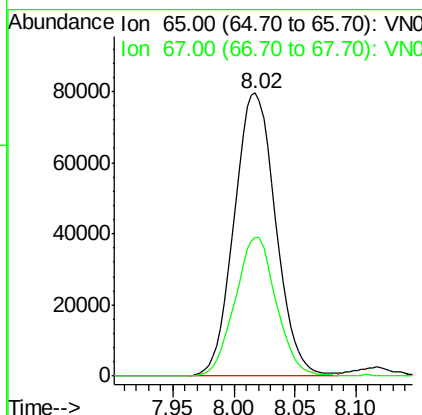
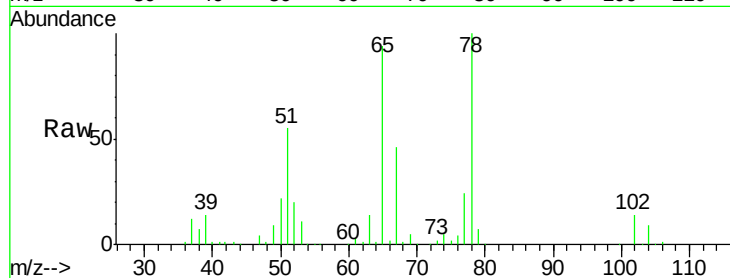
#27
 1,2-Dichloroethane-d4
 Concen: 29.833 ug/l
 RT: 8.02 min Scan# 1942
 Delta R.T. 0.00 min
 Lab File: VN057700.D
 Acq: 5 Sep 2019 12:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion: 65 Resp: 187813
 Ion Ratio Lower Upper
 65 100
 67 48.5 38.6 57.8

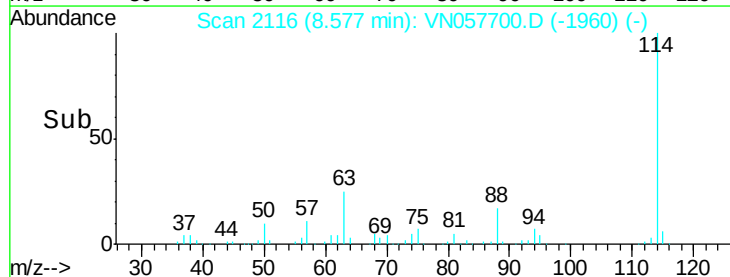
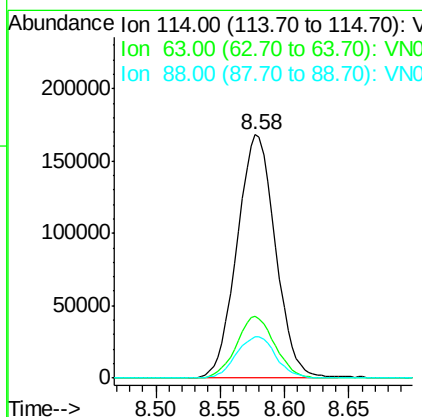
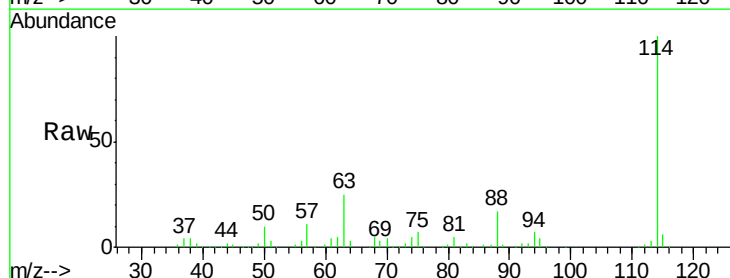
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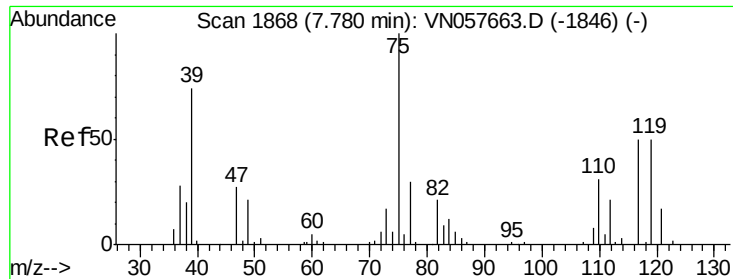
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 9/6/2019 8:26:30 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN057700.D
 Acq: 5 Sep 2019 12:53

Tgt Ion: 114 Resp: 348773
 Ion Ratio Lower Upper
 114 100
 63 25.3 20.6 30.8
 88 17.5 14.3 21.5





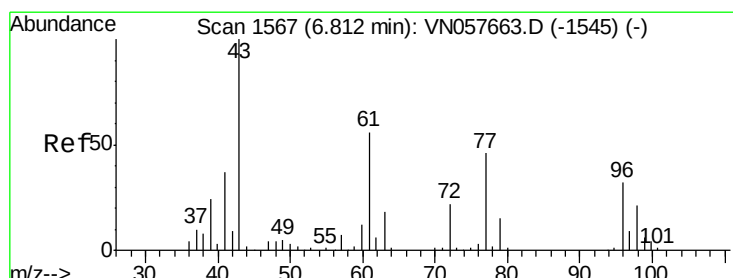
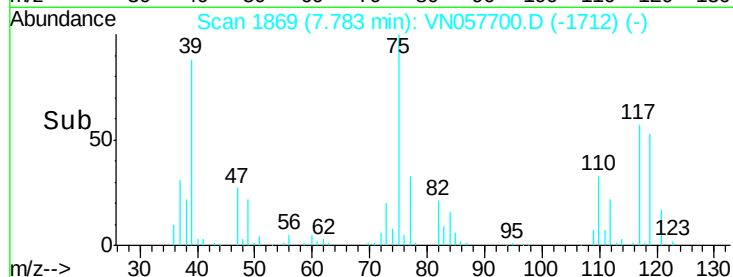
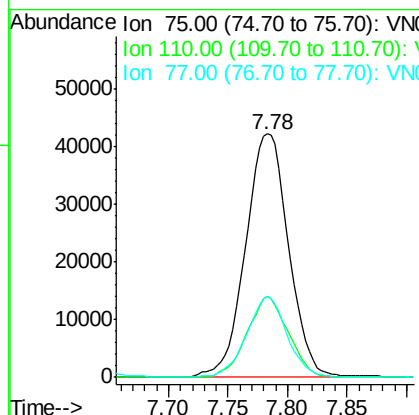
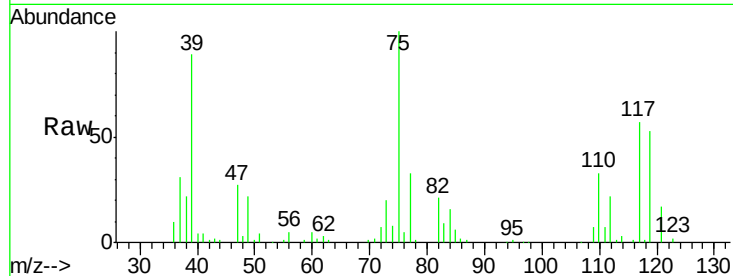
#29
 1,1-Dichloropropene
 Concen: 19.002 ug/l
 RT: 7.78 min Scan# 1869
 Delta R.T. 0.00 min
 Lab File: VN057700.D
 Acq: 5 Sep 2019 12:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	31.8	0.0	62.8
77	31.1	0.0	57.8

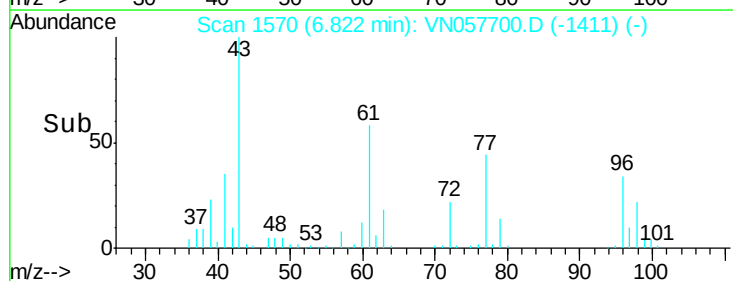
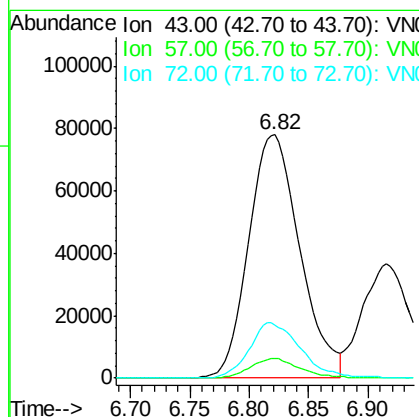
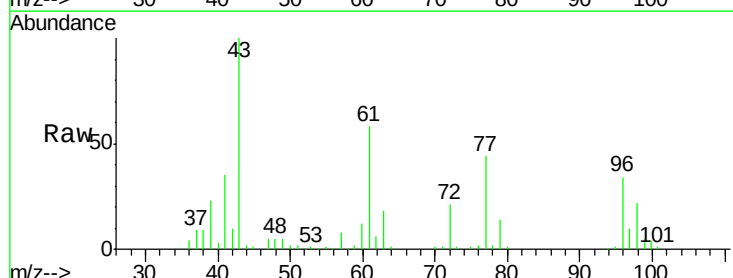
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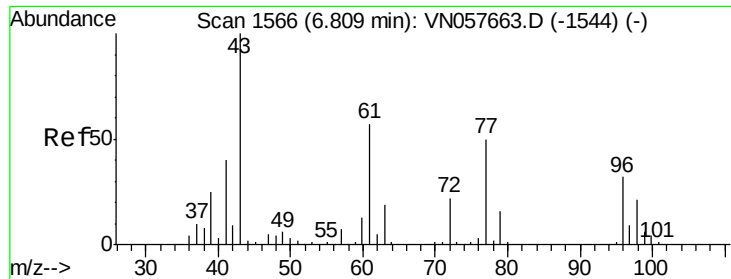
MMDadoda
 9/6/2019 8:26:30 AM



#30
 2-Butanone
 Concen: 87.936 ug/l
 RT: 6.82 min Scan# 1570
 Delta R.T. 0.01 min
 Lab File: VN057700.D
 Acq: 5 Sep 2019 12:53

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	7.7	2.6	3.8#
72	22.5	18.1	27.1





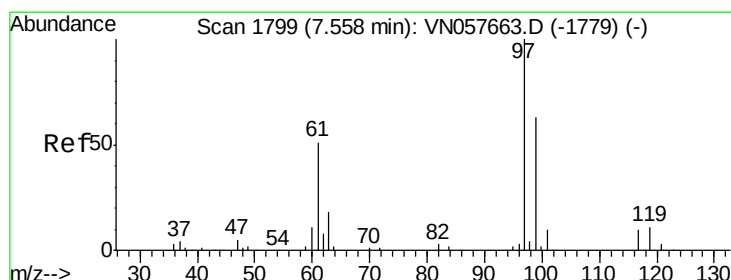
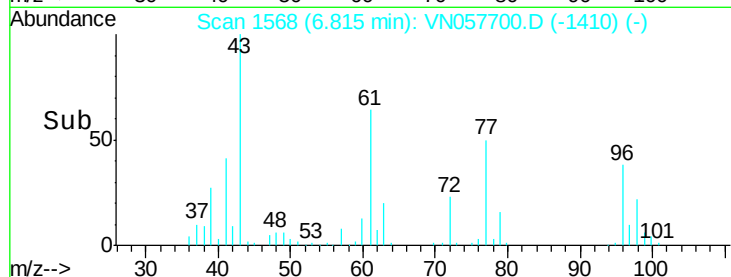
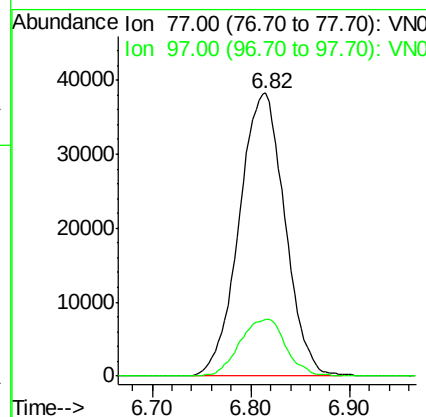
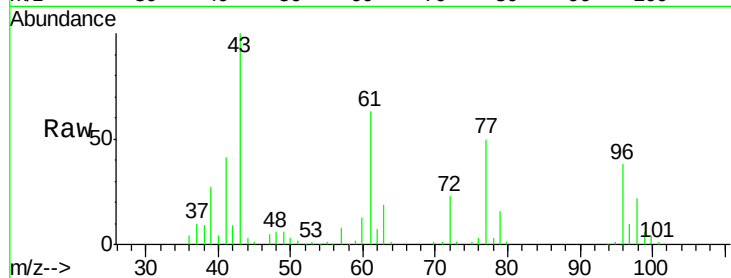
#31
 2,2-Dichloropropane
 Concen: 17.798 ug/l
 RT: 6.82 min Scan# 1568
 Delta R.T. 0.01 min
 Lab File: VN057700.D
 Acq: 5 Sep 2019 12:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion: 77 Resp: 122681
 Ion Ratio Lower Upper
 77 100
 97 20.3 8.8 13.2#

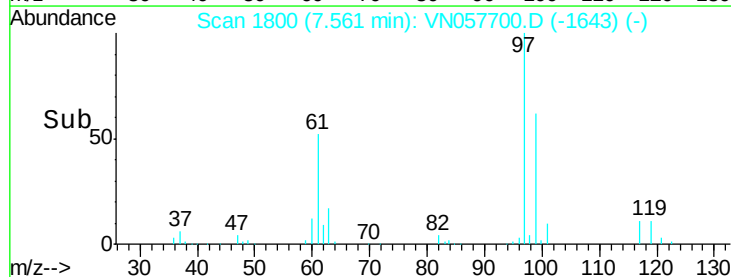
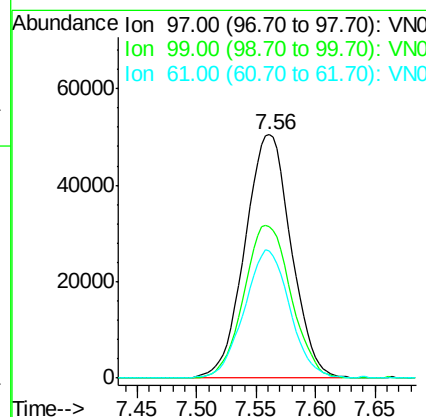
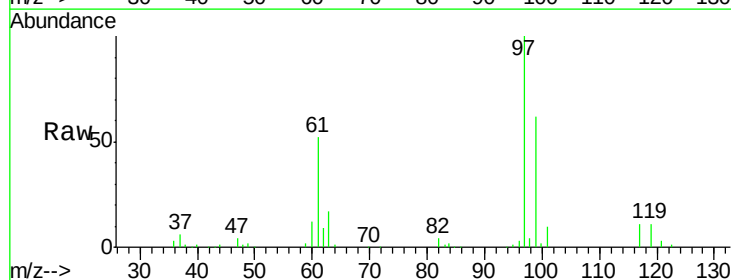
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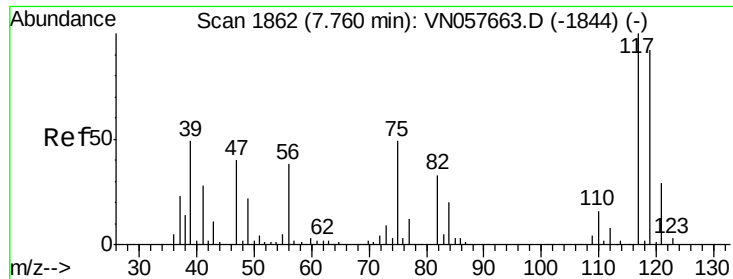
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#32
 1,1,1-Trichloroethane
 Concen: 19.694 ug/l
 RT: 7.56 min Scan# 1800
 Delta R.T. 0.00 min
 Lab File: VN057700.D
 Acq: 5 Sep 2019 12:53

Tgt Ion: 97 Resp: 135795
 Ion Ratio Lower Upper
 97 100
 99 64.0 51.9 77.9
 61 51.8 41.4 62.0





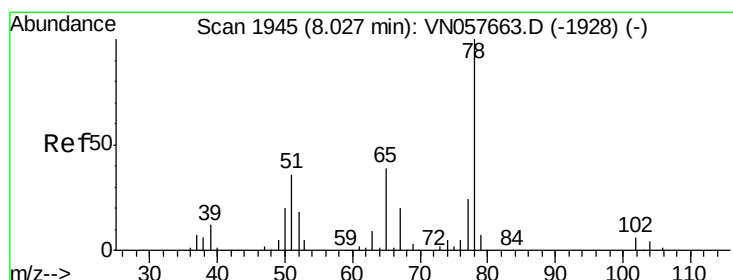
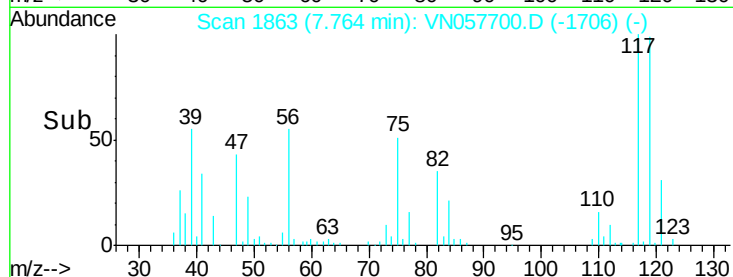
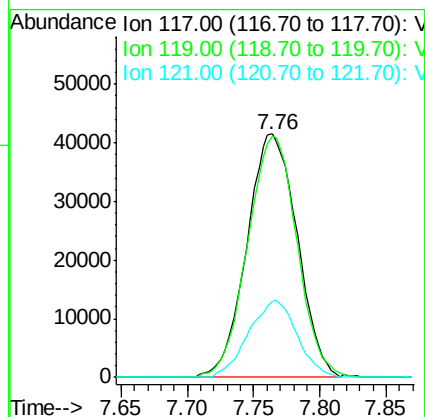
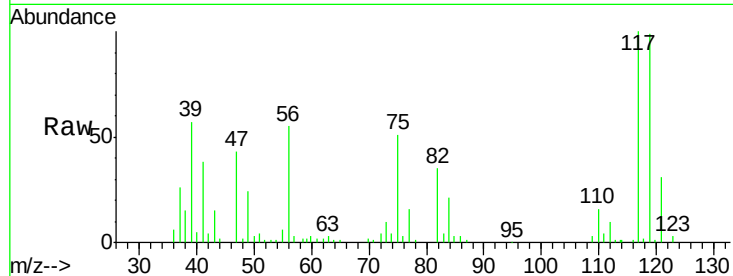
#33
Carbon Tetrachloride
Concen: 19.511 ug/l
RT: 7.76 min Scan# 1863
Delta R.T. 0.00 min
Lab File: VN057700.D
Acq: 5 Sep 2019 12:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
117	100		
119	99.0	73.3	109.9
121	31.0	23.3	34.9

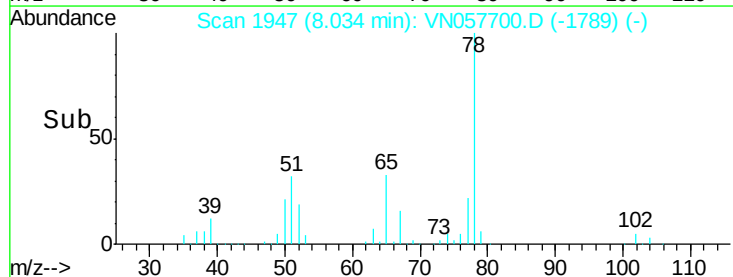
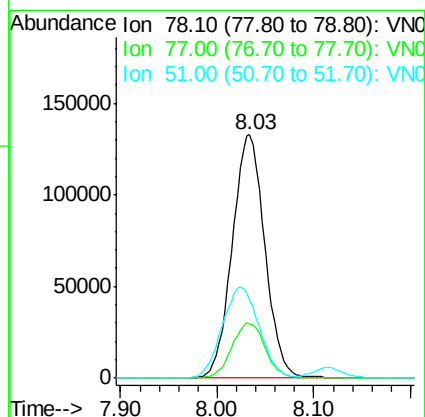
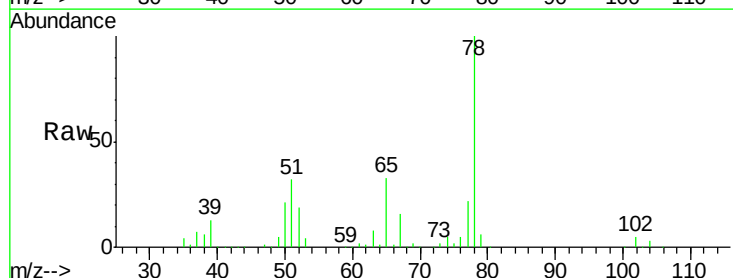
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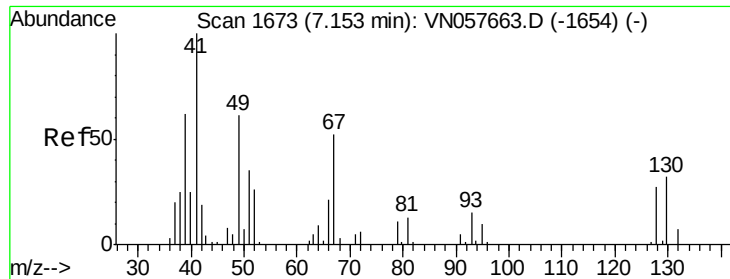
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#34
Benzene
Concen: 19.460 ug/l
RT: 8.03 min Scan# 1947
Delta R.T. 0.01 min
Lab File: VN057700.D
Acq: 5 Sep 2019 12:53

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.4	18.8	28.2
51	32.1	29.0	43.6





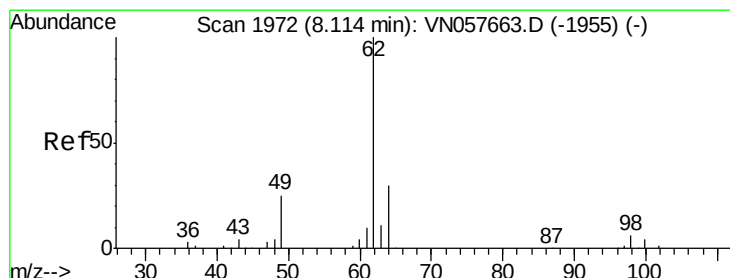
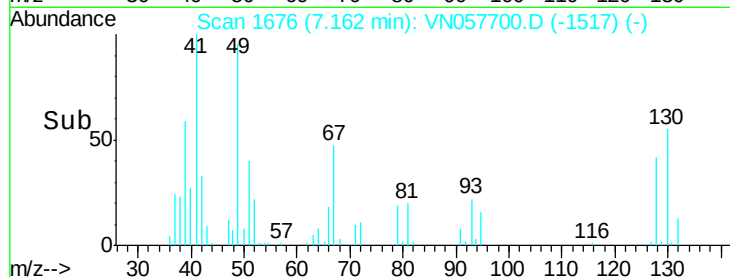
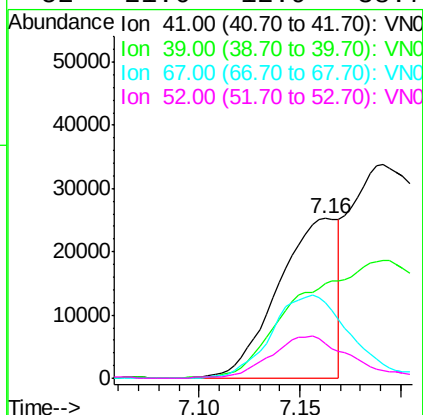
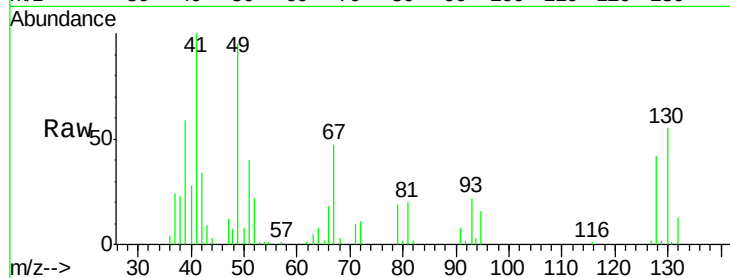
#35
Methacrylonitrile
Concen: 21.726 ug/l
RT: 7.16 min Scan# 1676
Delta R.T. 0.01 min
Lab File: VN057700.D
Acq: 5 Sep 2019 12:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ion	Ratio	Lower	Upper
41	41.00 (40.70 to 41.70): VNC	100		
39	39.00 (38.70 to 39.70): VNC	58.7	31.0	93.0
67	67.00 (66.70 to 67.70): VNC	47.0	25.9	77.7
52	52.00 (51.70 to 52.70): VNC	21.6	12.9	38.7

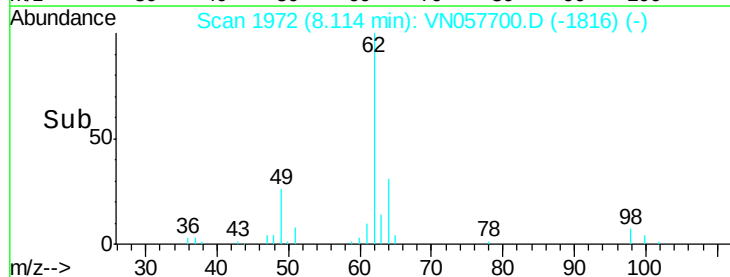
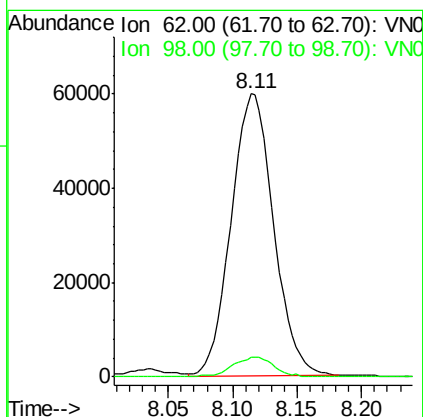
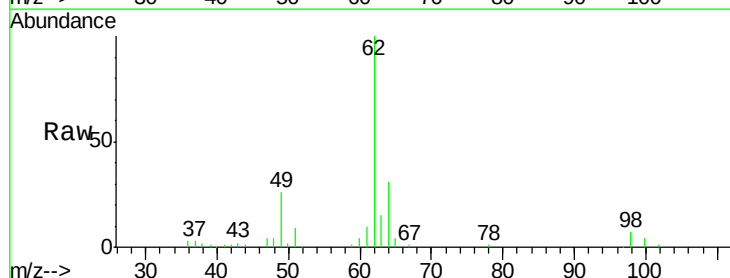
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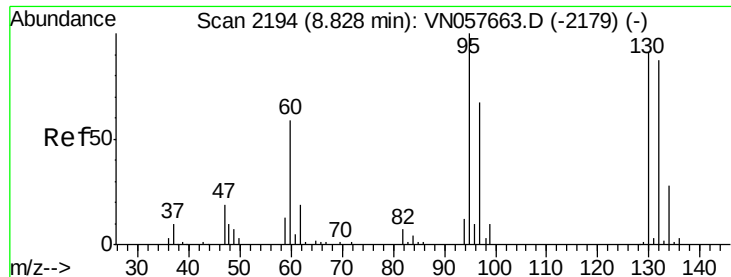
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#36
1,2-Dichloroethane
Concen: 19.167 ug/l
RT: 8.11 min Scan# 1972
Delta R.T. 0.00 min
Lab File: VN057700.D
Acq: 5 Sep 2019 12:53

Tgt Ion	Ion	Ratio	Lower	Upper
62	62.00 (61.70 to 62.70): VNC	100		
98	98.00 (97.70 to 98.70): VNC	6.9	0.0	0.0#





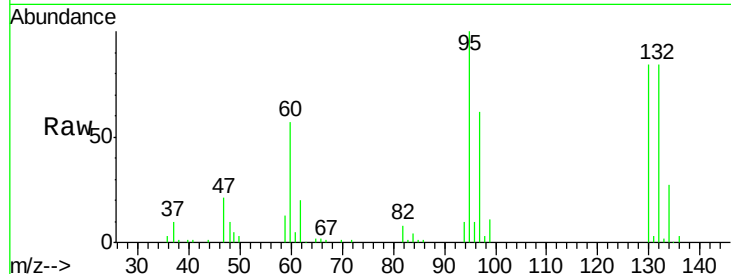
#37
 Trichloroethene
 Concen: 19.492 ug/l
 RT: 8.83 min Scan# 2194
 Delta R.T. 0.00 min
 Lab File: VN057700.D
 Acq: 5 Sep 2019 12:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

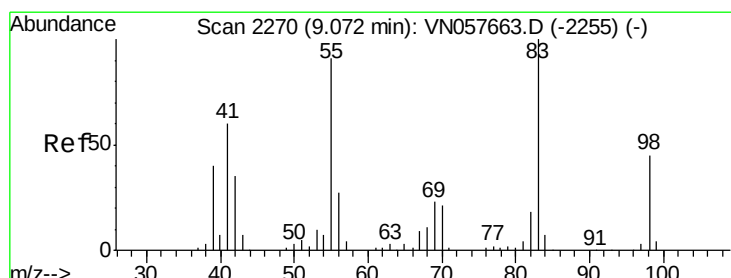
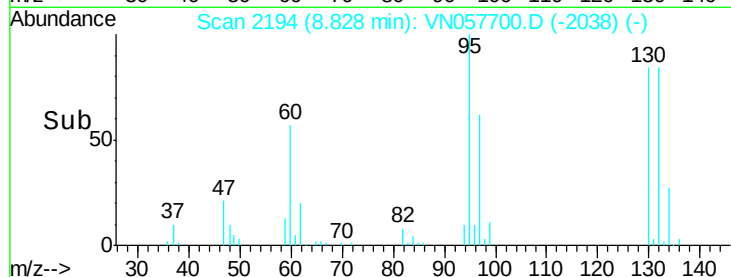
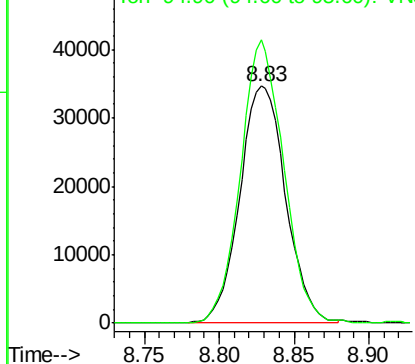
Tot Ion:130 Resp: 74045
 Ion Ratio Lower Upper
 130 100
 95 119.4 87.5 131.3

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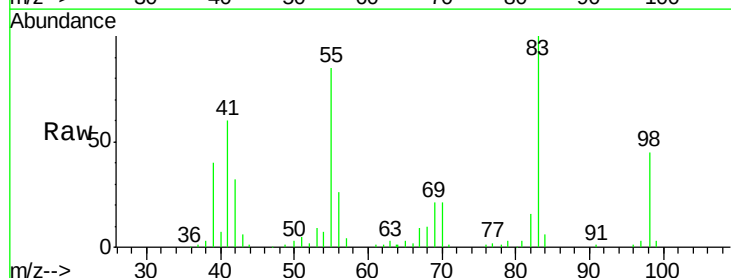


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VN

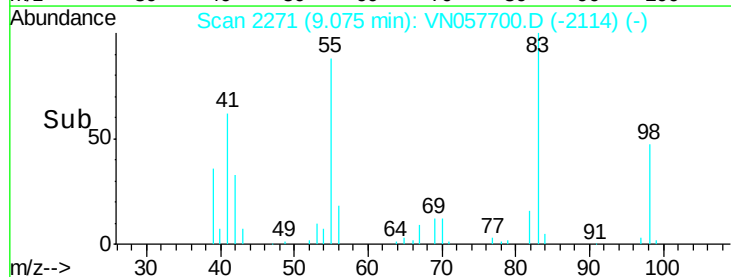
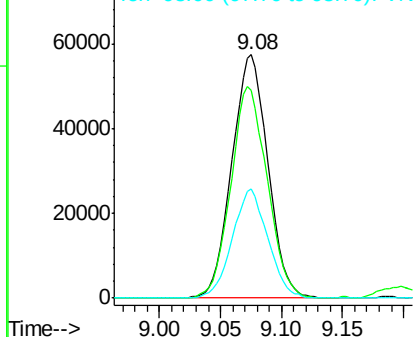


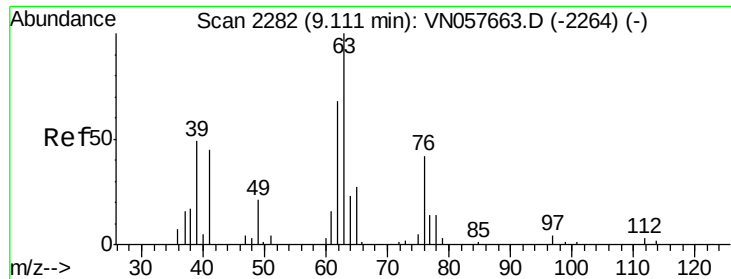
#38
 Methylcyclohexane
 Concen: 19.016 ug/l
 RT: 9.08 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VN057700.D
 Acq: 5 Sep 2019 12:53

Tgt Ion: 83 Resp: 117524
 Ion Ratio Lower Upper
 83 100
 55 87.8 45.1 135.3
 98 44.2 22.5 67.5



Abundance Ion 83.00 (82.70 to 83.70): VN
 Ion 55.00 (54.70 to 55.70): VN
 Ion 98.00 (97.70 to 98.70): VN





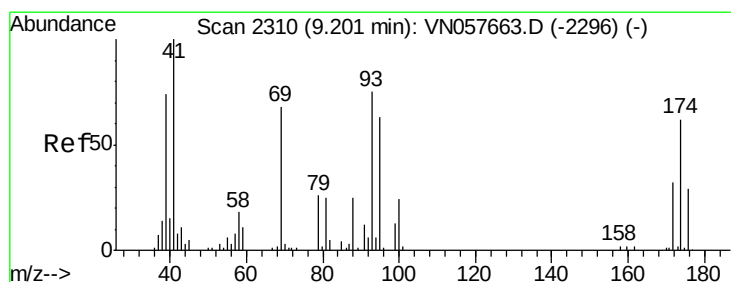
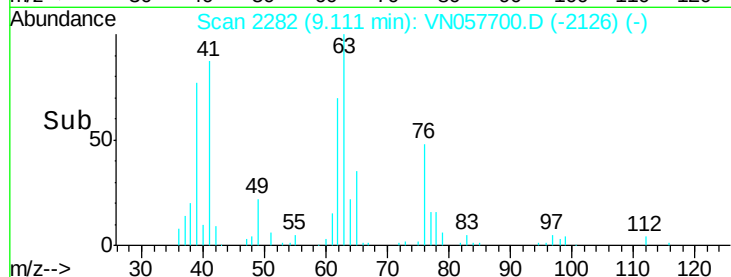
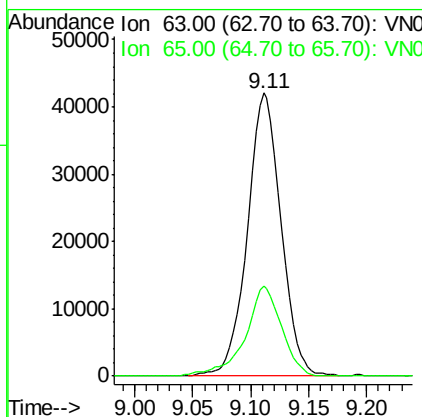
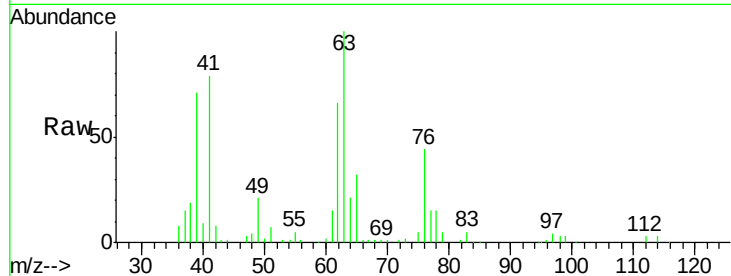
#39
 1,2-Dichloropropane
 Concen: 19.501 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN057700.D
 Acq: 5 Sep 2019 12:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion: 63 Resp: 85309
 Ion Ratio Lower Upper
 63 100
 65 31.9 22.2 33.2

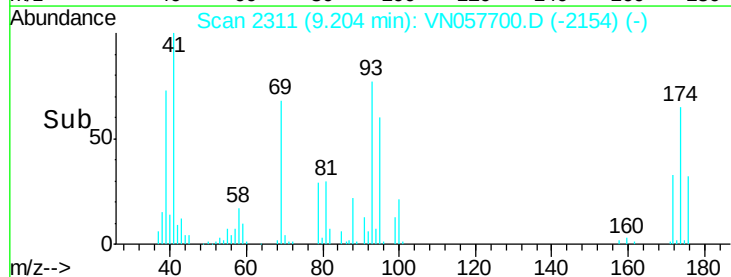
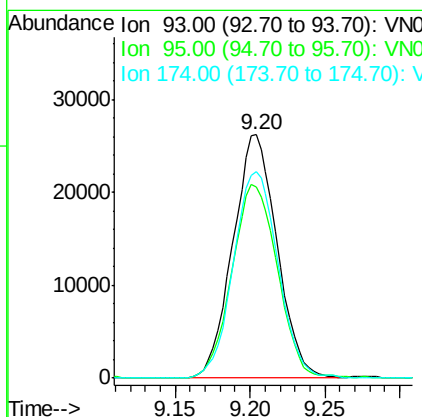
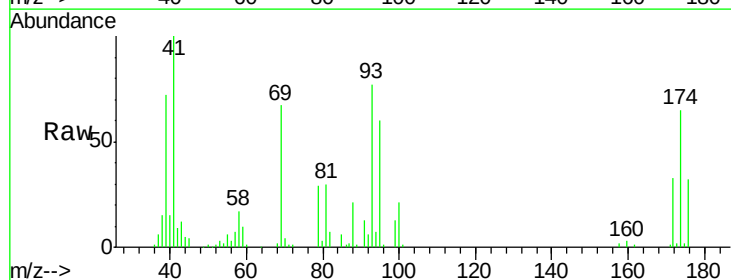
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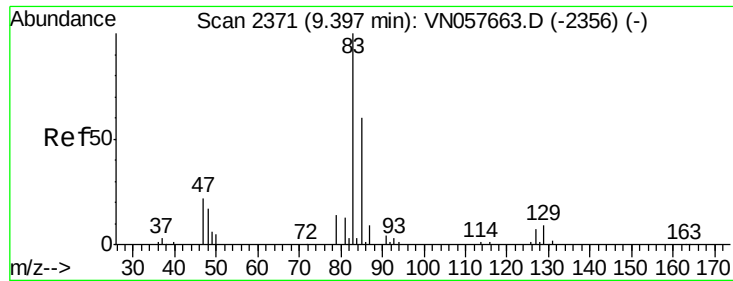
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#40
 Dibromomethane
 Concen: 19.032 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VN057700.D
 Acq: 5 Sep 2019 12:53

Tgt Ion: 93 Resp: 53971
 Ion Ratio Lower Upper
 93 100
 95 81.8 0.0 168.2
 174 85.4 0.0 169.2





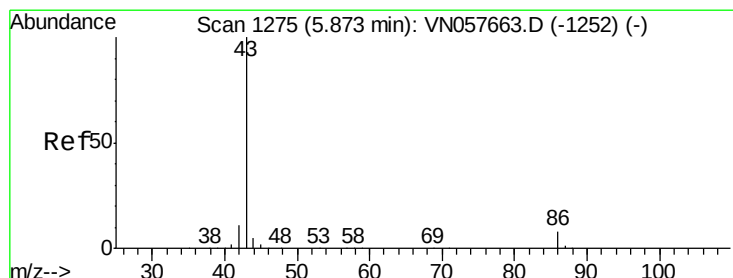
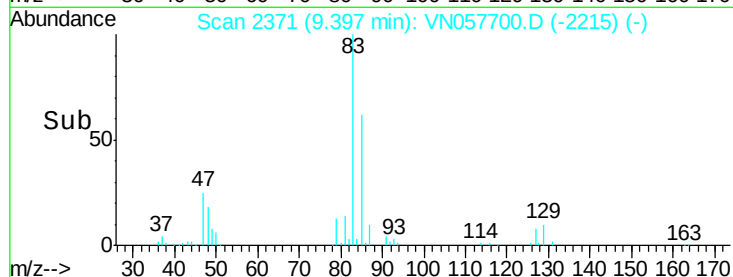
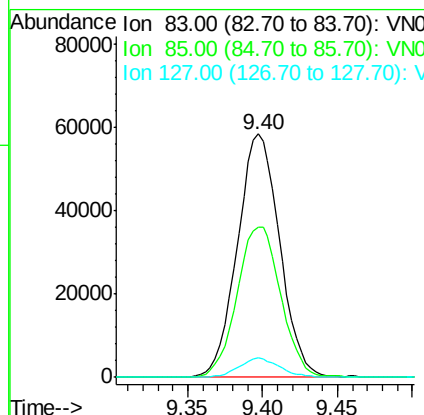
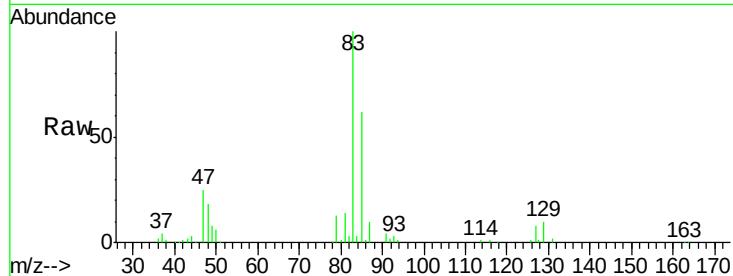
#41
 Bromodichloromethane
 Concen: 18.741 ug/l
 RT: 9.40 min Scan# 2371
 Delta R.T. 0.00 min
 Lab File: VN057700.D
 Acq: 5 Sep 2019 12:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	83	Resp	114874
Ion Ratio	Lower	Upper	
83	100		
85	61.6	48.2	72.4
127	8.9	5.3	7.9#

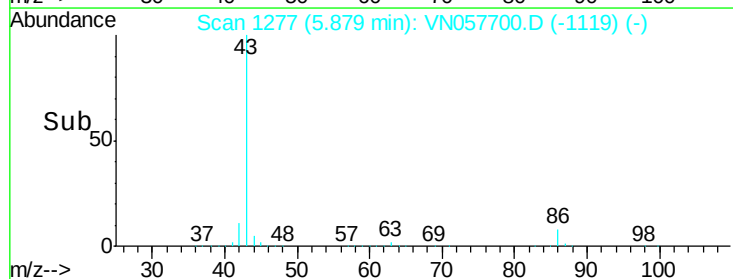
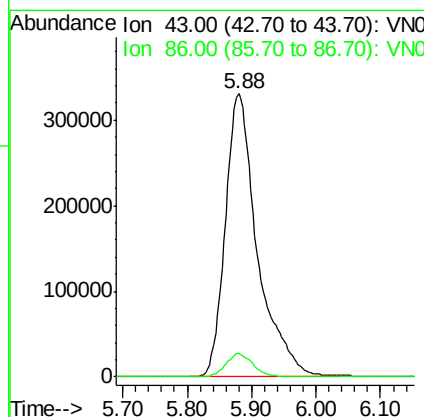
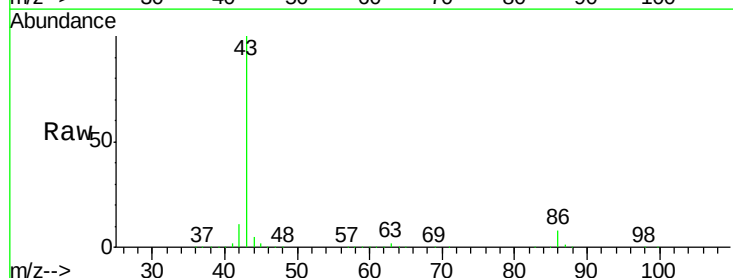
Manual Integrations
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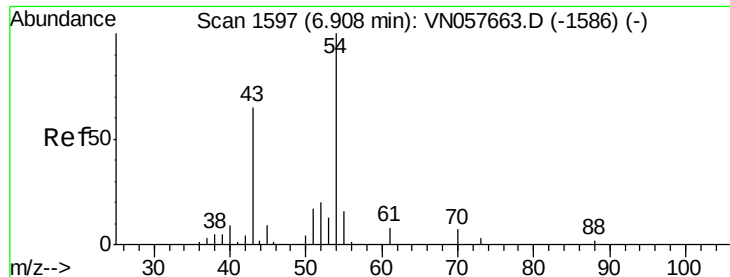
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 9/6/2019 8:26:30 AM



#42
 Vinyl Acetate
 Concen: 99.066 ug/l
 RT: 5.88 min Scan# 1277
 Delta R.T. 0.01 min
 Lab File: VN057700.D
 Acq: 5 Sep 2019 12:53

Tgt Ion	43	Resp	1145572
Ion Ratio	Lower	Upper	
43	100		
86	7.0	5.4	8.2





#43

Ethyl Acetate

Concen: 17.288 ug/l

RT: 6.91 min Scan# 1599

Delta R.T. 0.01 min

Lab File: VN057700.D

Acq: 5 Sep 2019 12:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 43 Resp: 93663

Ion Ratio Lower Upper

43 100

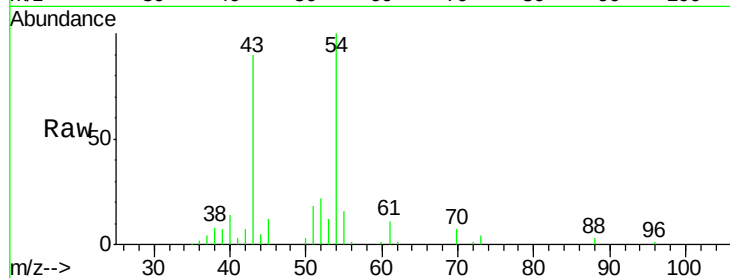
45 13.4 5.0 7.6#

Manual Integrations

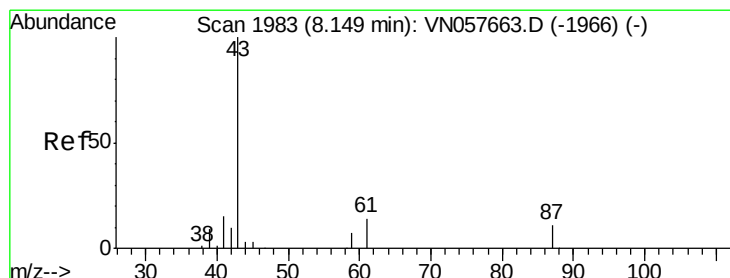
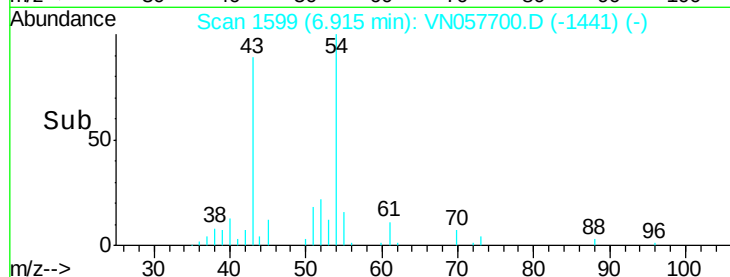
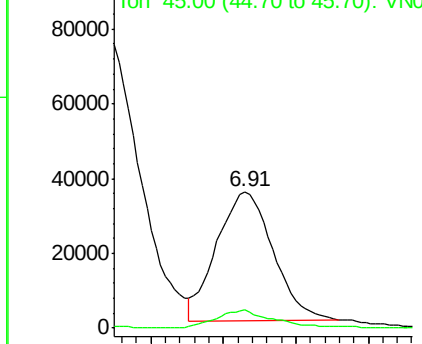
APPROVED

MMDadoda

9/6/2019 8:26:30 AM



Abundance Ion 43.00 (42.70 to 43.70): VN057700.D (-1441) (-)



#44

Isopropyl Acetate

Concen: 18.601 ug/l

RT: 8.15 min Scan# 1984

Delta R.T. 0.00 min

Lab File: VN057700.D

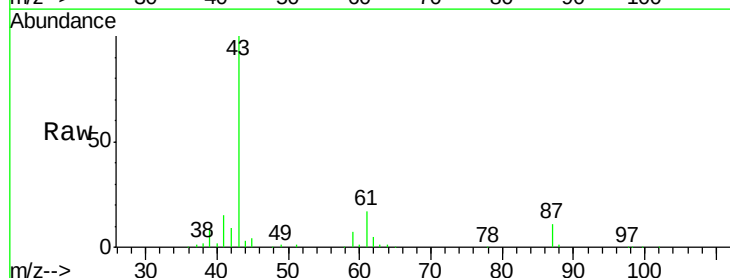
Acq: 5 Sep 2019 12:53

Tgt Ion: 43 Resp: 188406

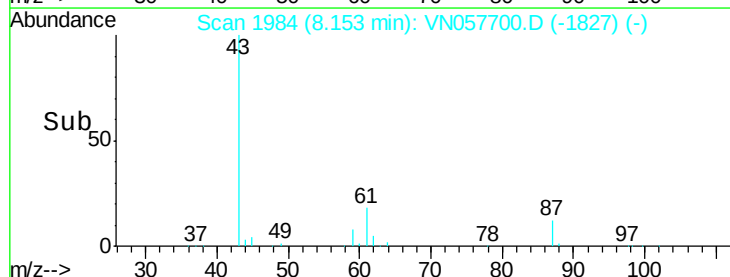
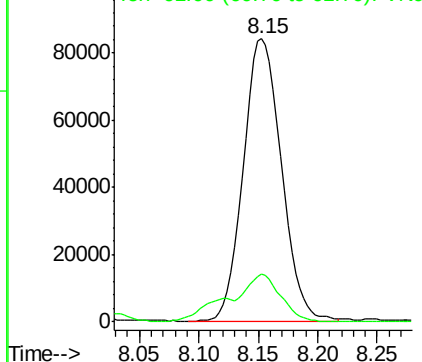
Ion Ratio Lower Upper

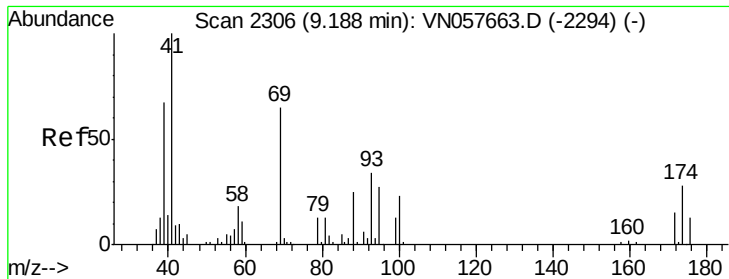
43 100

61 15.8 12.6 18.8



Abundance Ion 43.00 (42.70 to 43.70): VN057700.D (-1827) (-)





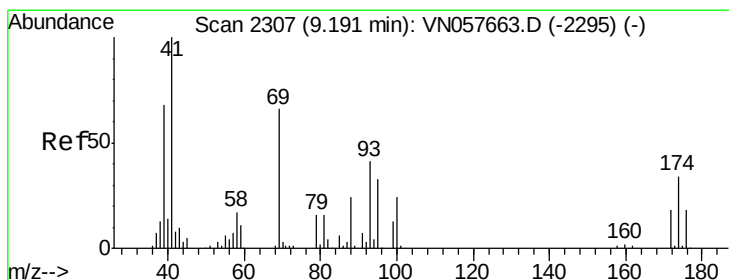
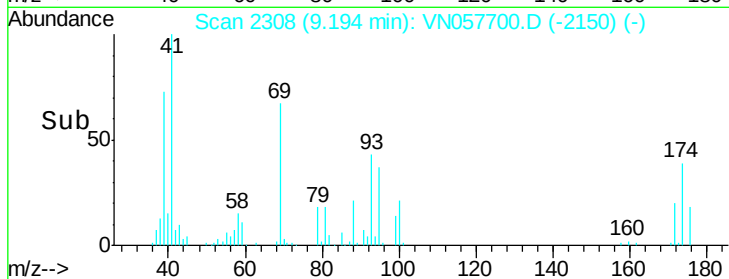
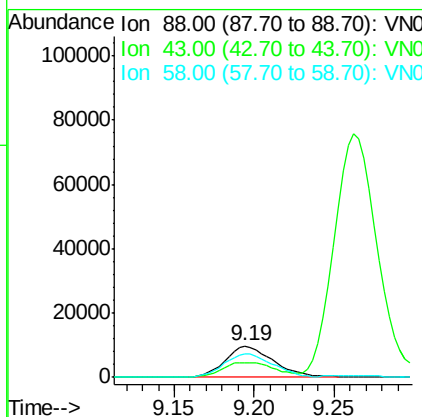
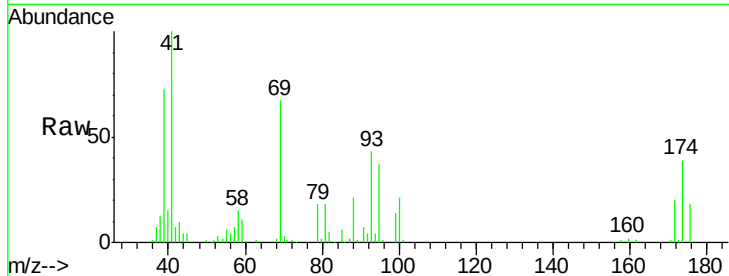
#45
 1,4-Dioxane
 Concen: 309.249 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. 0.01 min
 Lab File: VN057700.D
 Acq: 5 Sep 2019 12:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	88	Resp	20107
Ion	Ratio	Lower	Upper
88	100		
43	52.7	31.0	46.4#
58	74.1	58.2	87.2

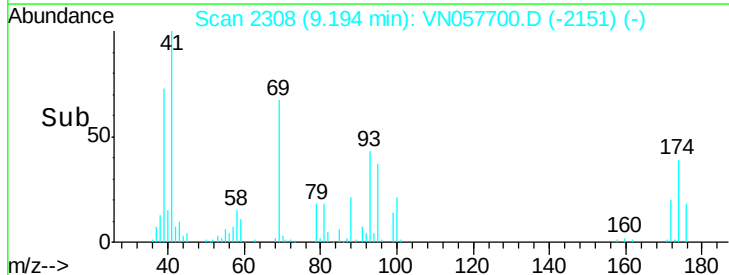
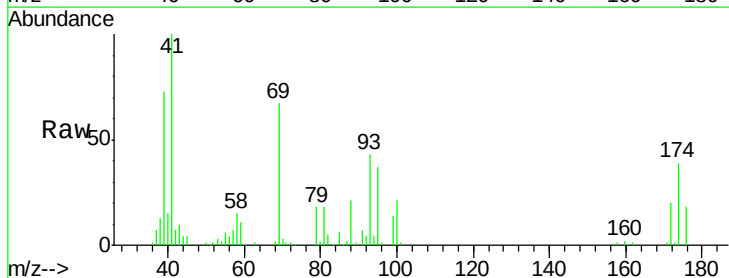
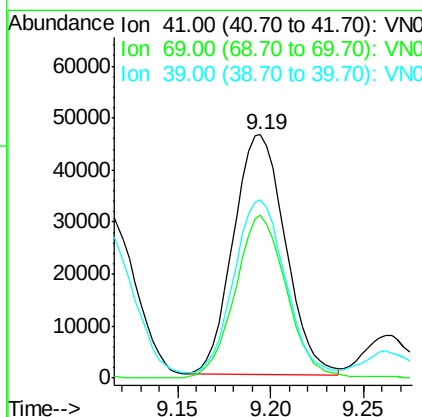
Manual Integrations
 APPROVED

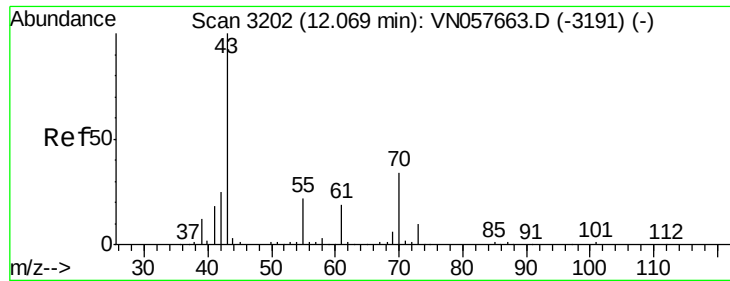
MMDadoda
 9/6/2019 8:26:30 AM



#46
 Methyl methacrylate
 Concen: 18.258 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. 0.00 min
 Lab File: VN057700.D
 Acq: 5 Sep 2019 12:53

Tgt Ion	41	Resp	89733
Ion	Ratio	Lower	Upper
41	100		
69	67.7	33.1	99.2
39	72.3	34.0	102.0





#47

n-amvl Acetate

Concen: 15.857 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN057700.D

Acq: 5 Sep 2019 12:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 43 Resp: 124560

Ion Ratio Lower Upper

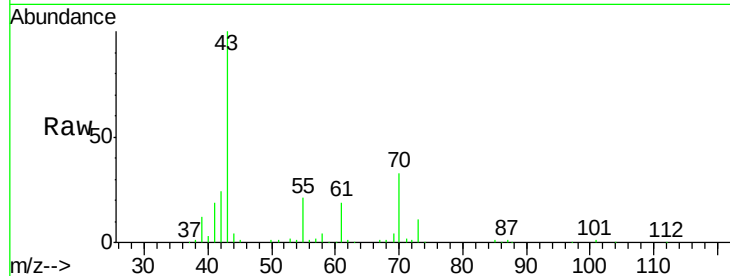
43 100

55 20.9 17.5 26.3

Manual Integrations
APPROVED

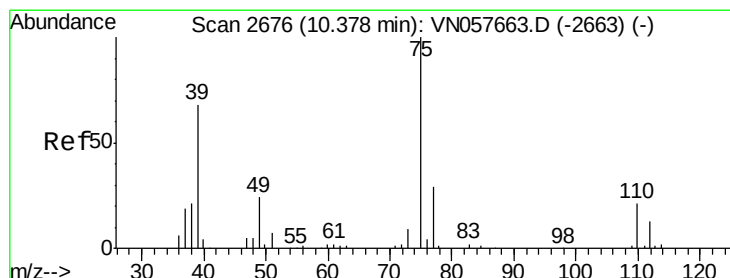
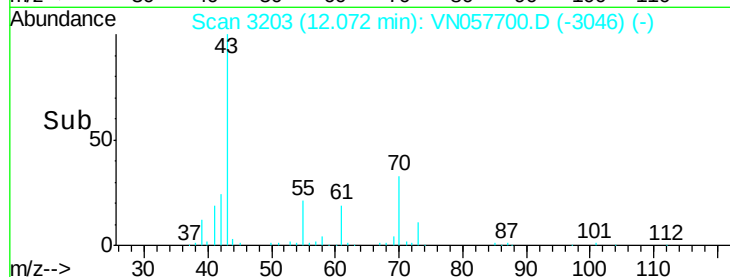
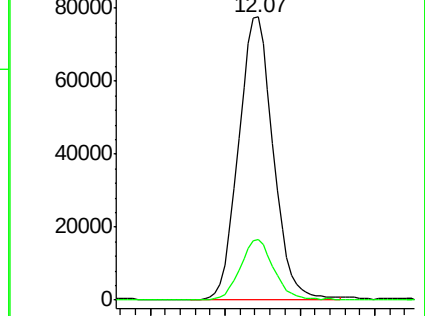
MMDadoda

9/6/2019 8:26:30 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#48

t-1,3-Dichloropropene

Concen: 17.559 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN057700.D

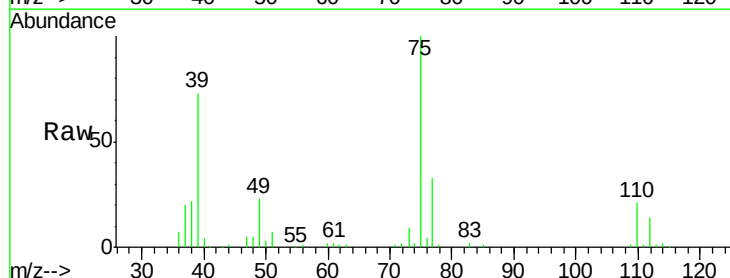
Acq: 5 Sep 2019 12:53

Tgt Ion: 75 Resp: 112894

Ion Ratio Lower Upper

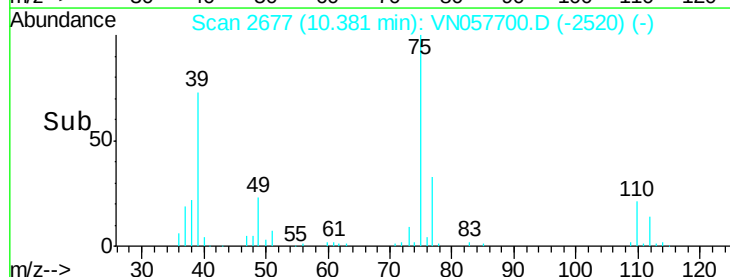
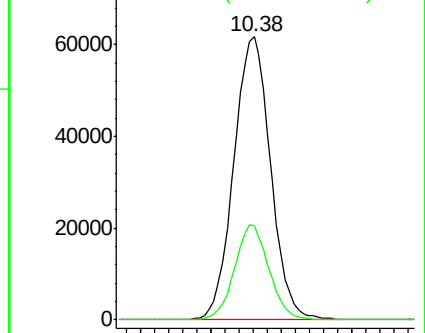
75 100

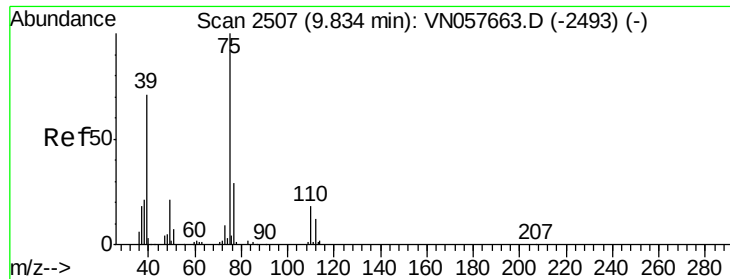
77 33.1 23.1 34.7



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0





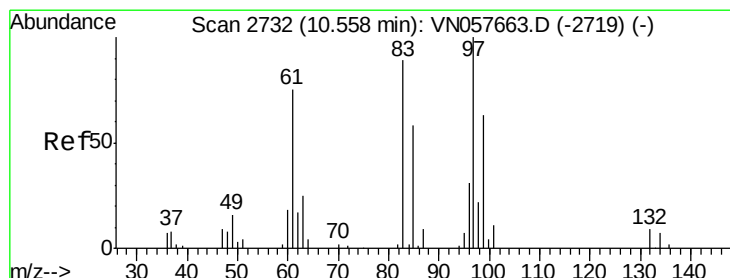
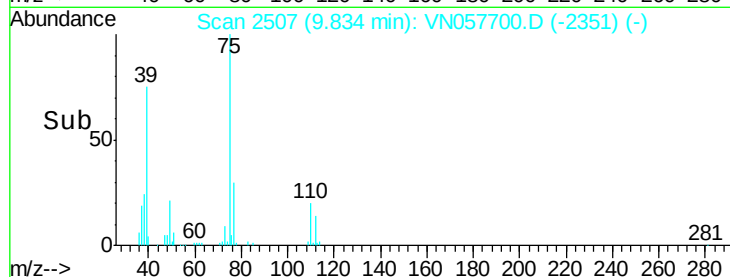
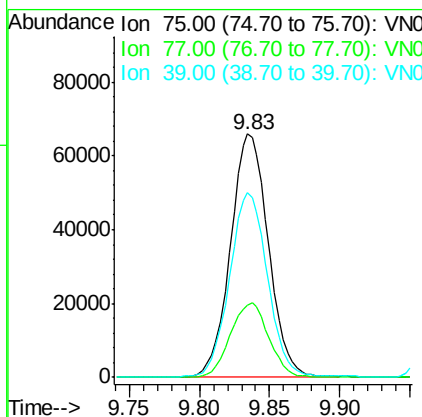
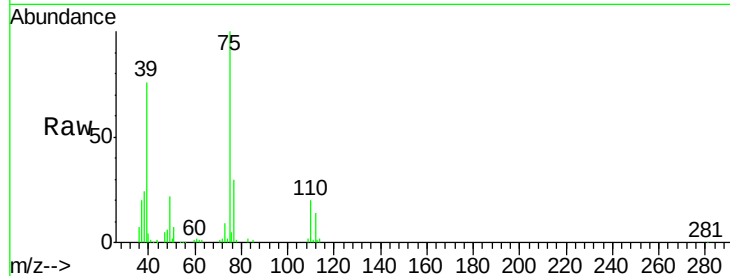
#49
 cis-1,3-Dichloropropene
 Concen: 18.084 ug/l
 RT: 9.83 min Scan# 2507
 Delta R.T. 0.00 min
 Lab File: VN057700.D
 Acq: 5 Sep 2019 12:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion:	75	Resp:	124053
Ion Ratio	Lower	Upper	
75	100		
77	29.7	23.4	35.2
39	75.1	56.6	85.0

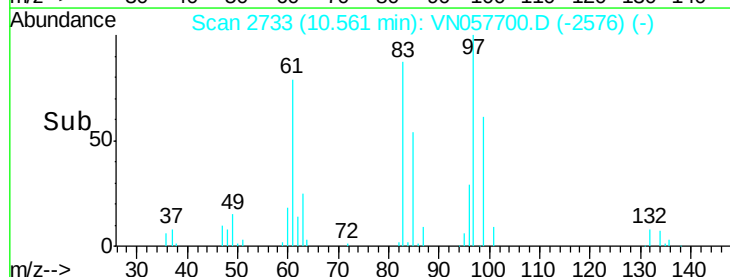
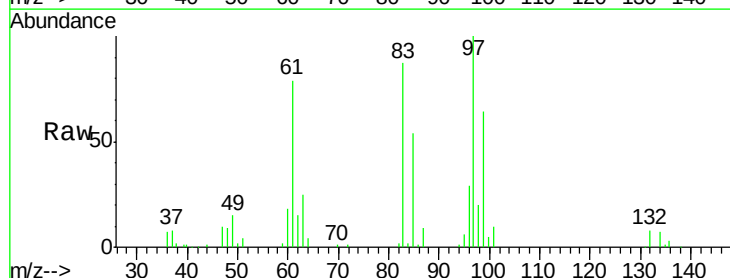
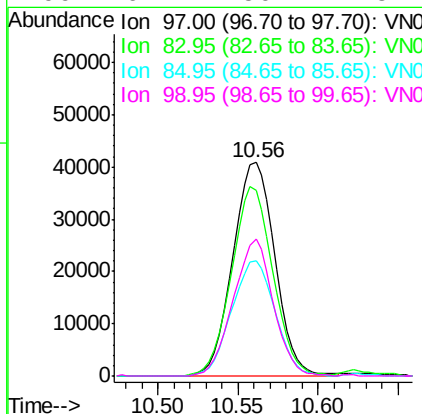
Manual Integrations
 APPROVED

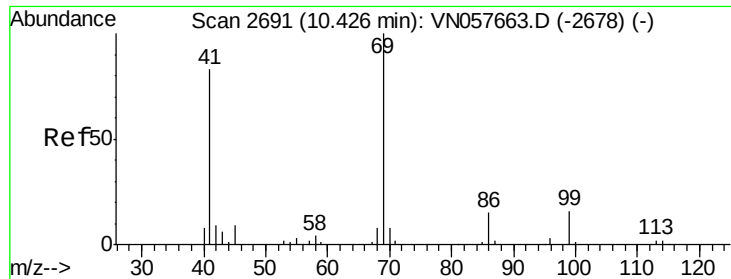
MMDadoda
 9/6/2019 8:26:30 AM



#50
 1,1,2-Trichloroethane
 Concen: 19.136 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN057700.D
 Acq: 5 Sep 2019 12:53

Tgt Ion:	97	Resp:	73190
Ion Ratio	Lower	Upper	
97	100		
83	86.5	71.4	107.2
85	54.2	46.0	69.0
99	64.2	50.2	75.2





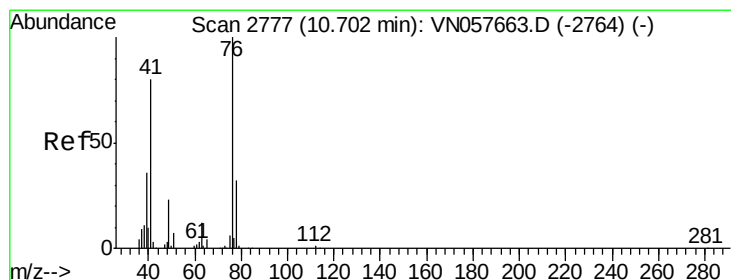
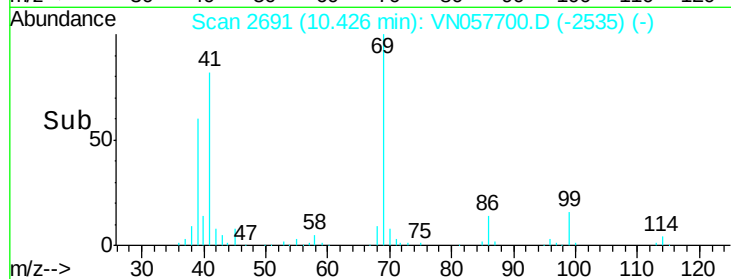
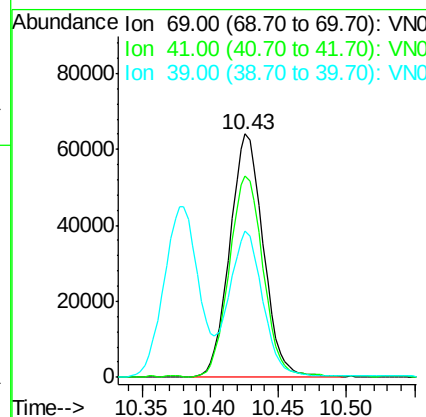
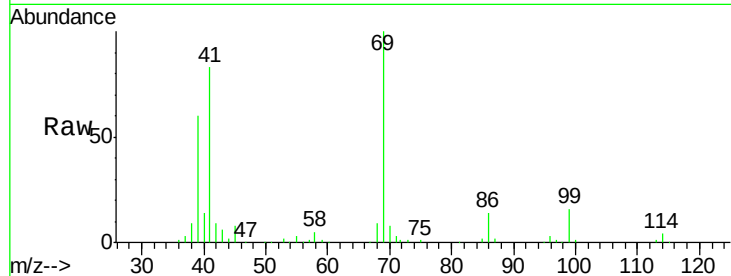
#51
Ethyl methacrylate
Concen: 17.581 ug/l
RT: 10.43 min Scan# 2691
Delta R.T. 0.00 min
Lab File: VN057700.D
Acq: 5 Sep 2019 12:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
69	100		
41	82.4	41.5	124.5
39	59.3	29.6	88.9

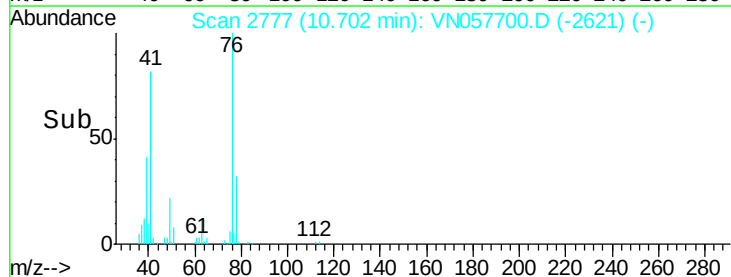
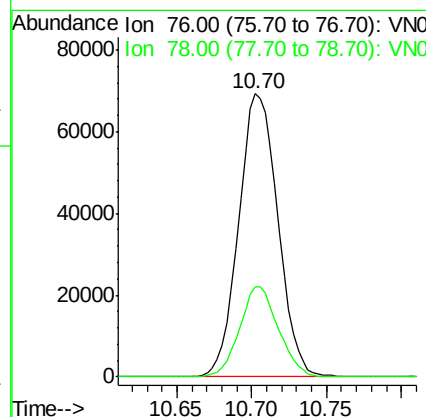
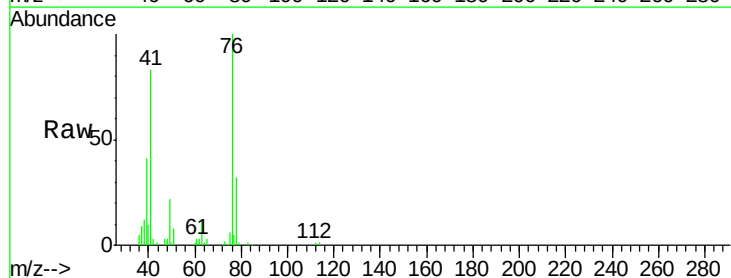
Manual Integrations
APPROVED

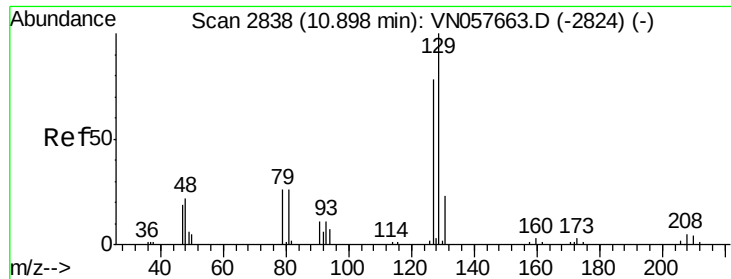
MMDadoda
9/6/2019 8:26:30 AM



#52
1,3-Dichloropropane
Concen: 18.560 ug/l
RT: 10.70 min Scan# 2777
Delta R.T. 0.00 min
Lab File: VN057700.D
Acq: 5 Sep 2019 12:53

Tgt Ion	Ratio	Lower	Upper
76	100		
78	31.5	0.0	63.8





#53

Dibromochloromethane

Concen: 17.908 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN057700.D

Acq: 5 Sep 2019 12:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion:129 Resp: 71484

Ion Ratio Lower Upper

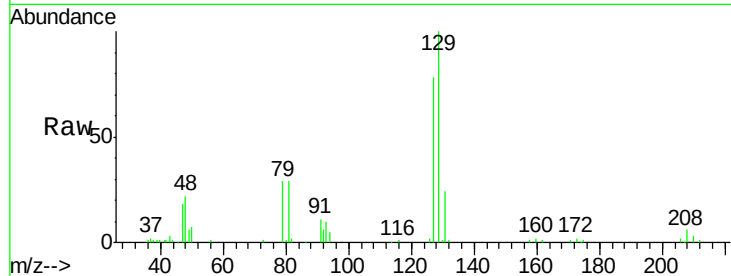
129 100

127 76.8 39.1 117.3

Manual Integrations
APPROVED

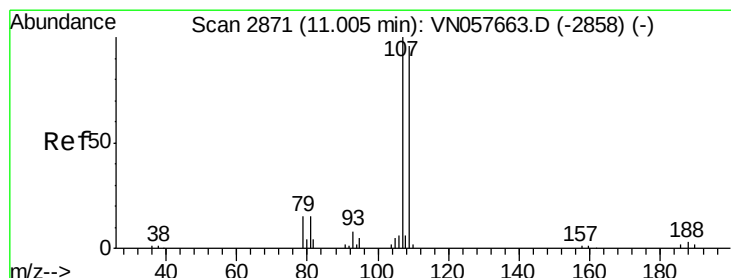
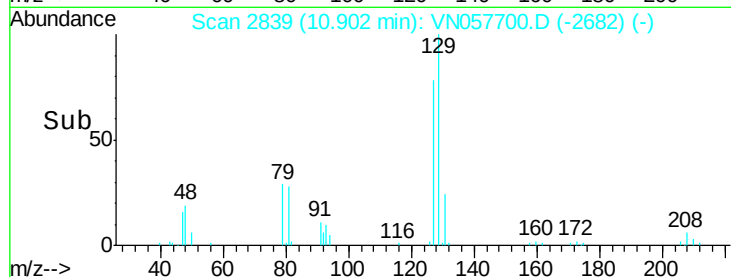
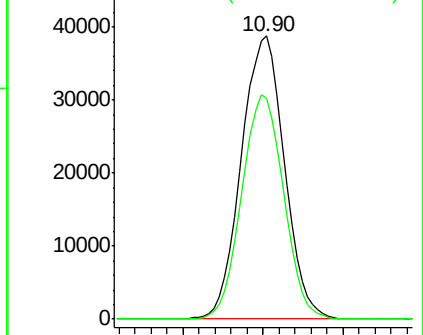
MMDadoda

9/6/2019 8:26:30 AM



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 18.588 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN057700.D

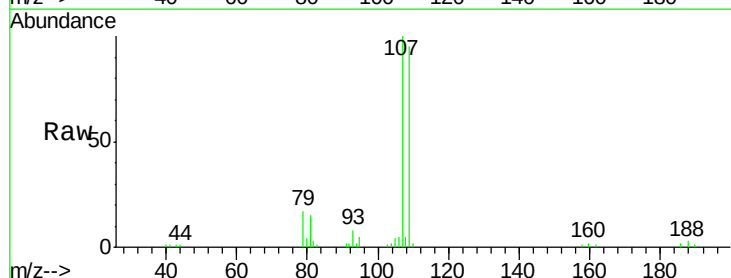
Acq: 5 Sep 2019 12:53

Tgt Ion:107 Resp: 71069

Ion Ratio Lower Upper

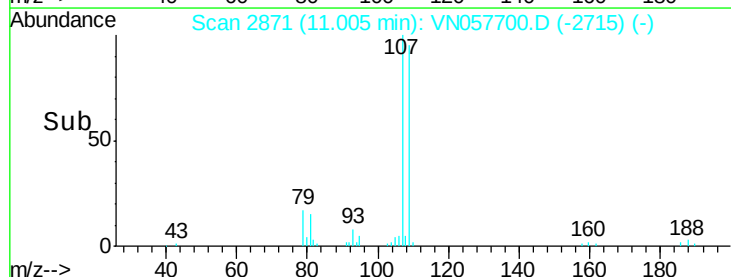
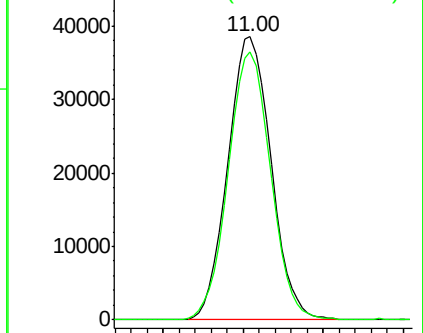
107 100

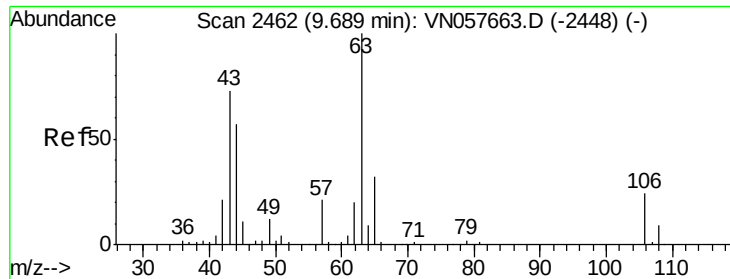
109 92.8 76.2 114.4



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





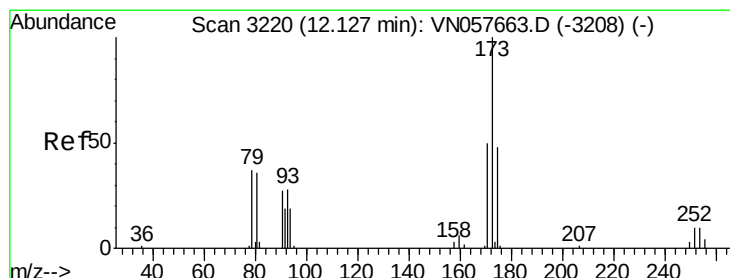
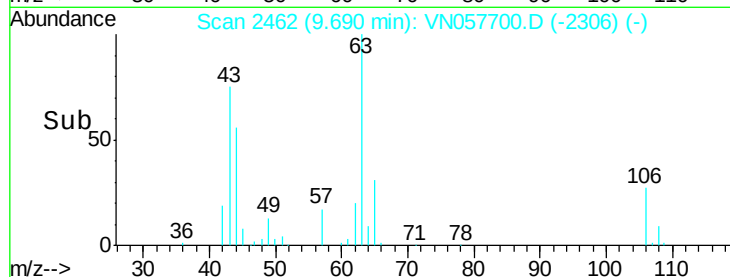
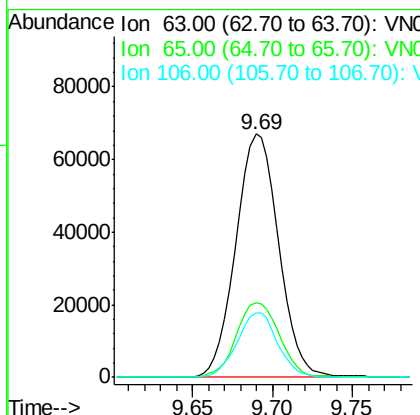
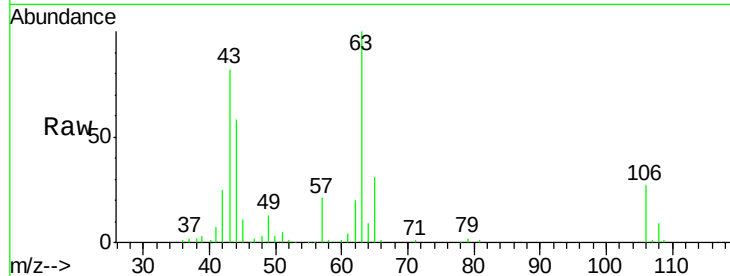
#55
2-Chloroethyl vinyl ether
Concen: 62.129 ug/l
RT: 9.69 min Scan# 2462
Delta R.T. 0.00 min
Lab File: VN057700.D
Acq: 5 Sep 2019 12:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.1	25.6	38.4
106	25.1	19.5	29.3

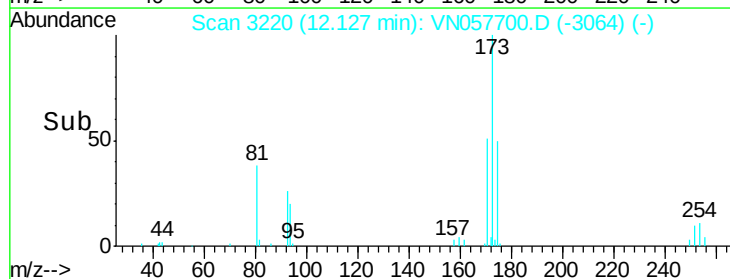
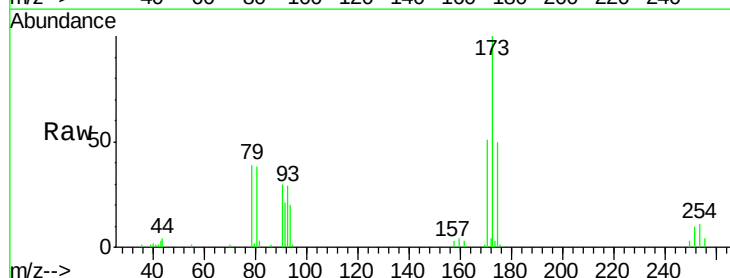
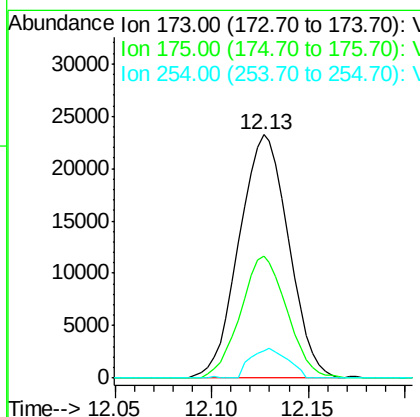
Manual Integrations
APPROVED

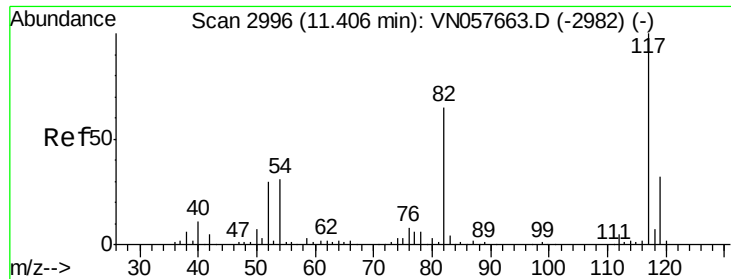
MMDadoda
9/6/2019 8:26:30 AM



#56
Bromoform
Concen: 16.724 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN057700.D
Acq: 5 Sep 2019 12:53

Tgt Ion	Ratio	Lower	Upper
173	100		
175	47.2	38.8	58.2
254	9.2	7.2	10.8





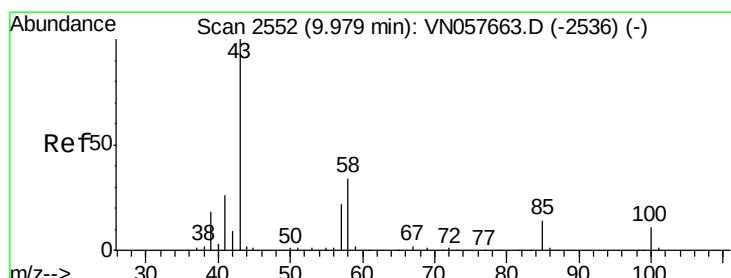
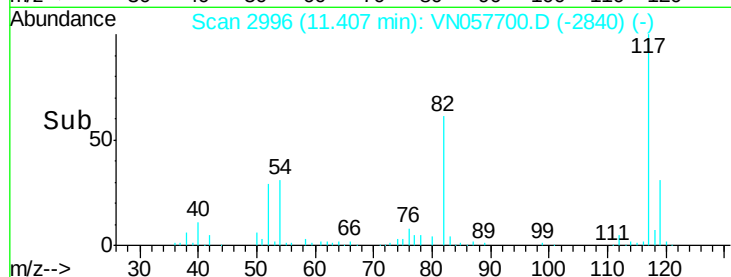
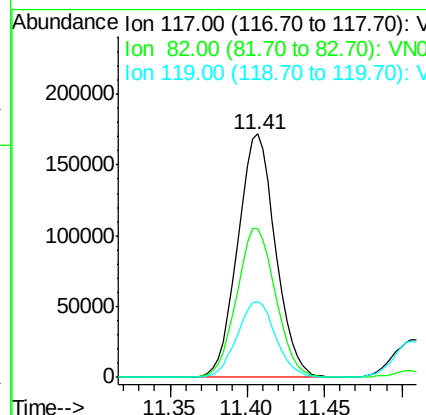
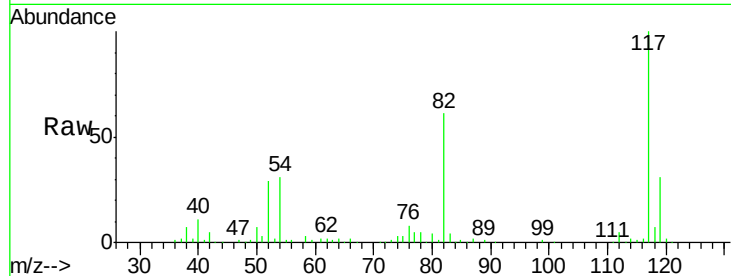
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN057700.D
Acq: 5 Sep 2019 12:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	63.1	51.2	76.8
119	31.9	25.8	38.6

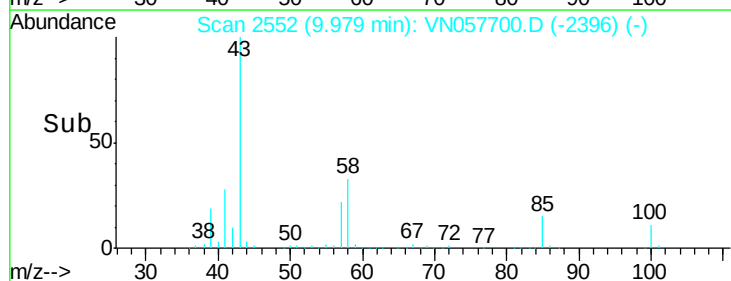
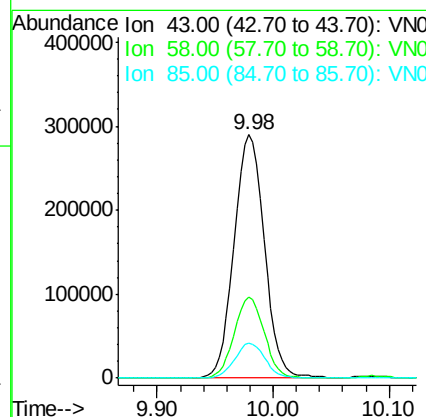
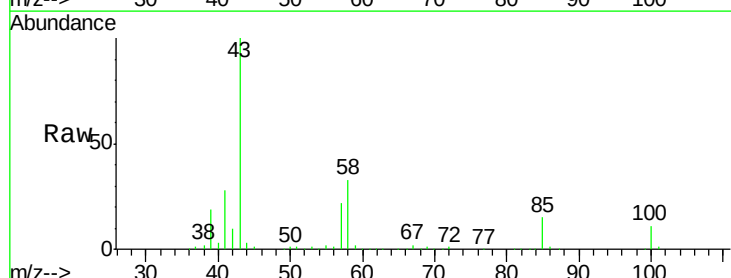
Manual Integrations
APPROVED

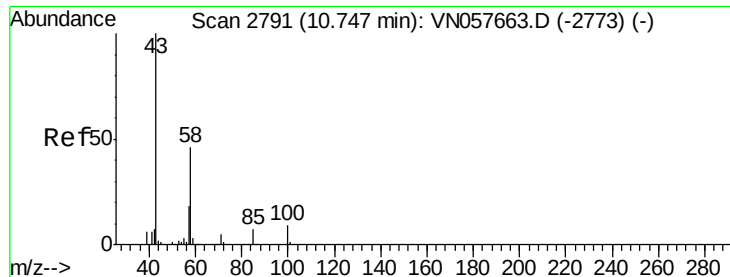
MMDadoda
9/6/2019 8:26:30 AM



#58
4-Methyl-2-Pentanone
Concen: 101.570 ug/l
RT: 9.98 min Scan# 2552
Delta R.T. 0.00 min
Lab File: VN057700.D
Acq: 5 Sep 2019 12:53

Tgt Ion	Ratio	Lower	Upper
43	100		
58	33.0	26.7	40.1
85	14.3	11.2	16.8





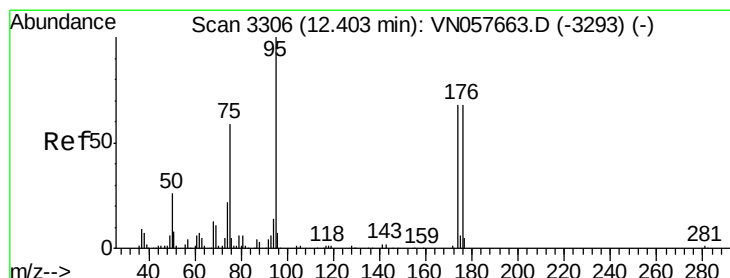
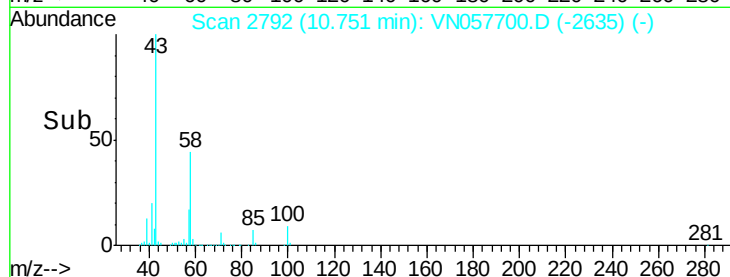
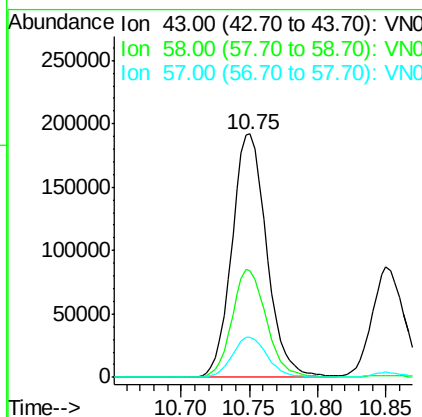
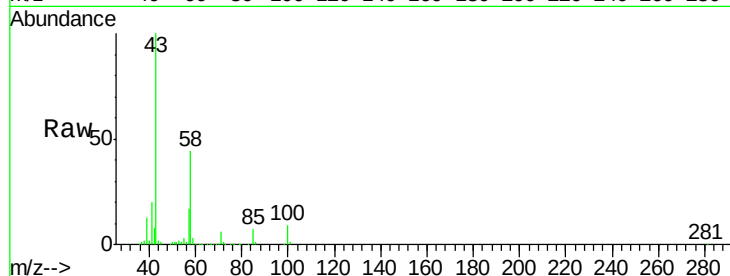
#59
2-Hexanone
Concen: 93.374 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN057700.D
Acq: 5 Sep 2019 12:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	43.7	36.1	54.1
57	16.7	14.1	21.1

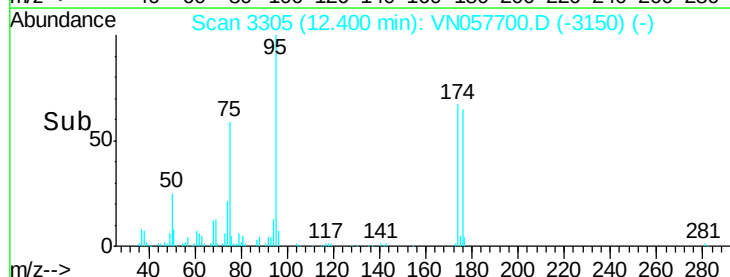
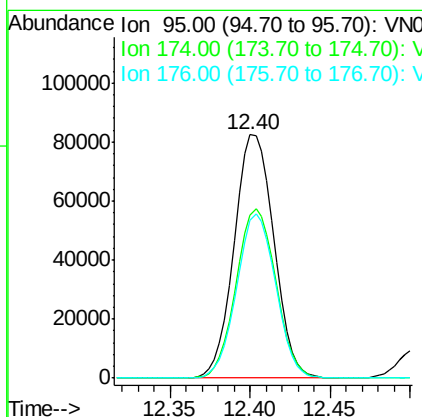
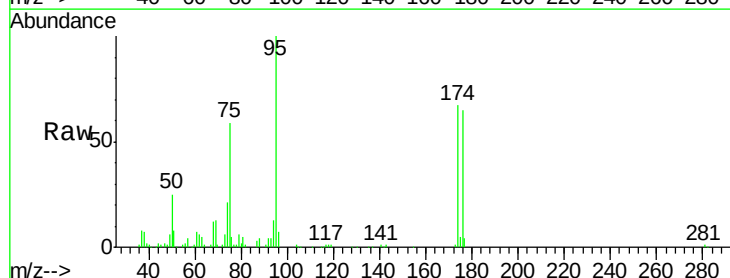
Manual Integrations
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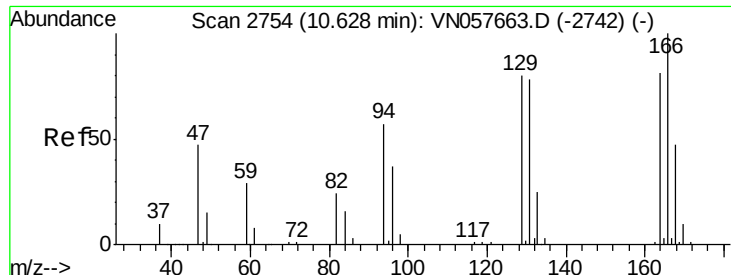
MMDadoda
9/6/2019 8:26:30 AM



#60
4-Bromofluorobenzene
Concen: 28.024 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN057700.D
Acq: 5 Sep 2019 12:53

Tgt Ion	Ratio	Lower	Upper
95	100		
174	69.7	55.0	82.6
176	66.3	53.7	80.5





#61

Tetrachloroethene

Concen: 20.680 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. 0.00 min

Lab File: VN057700.D

Acq: 5 Sep 2019 12:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion:164 Resp: 69239

Ion Ratio Lower Upper

164 100

166 125.0 99.4 149.2

129 93.9 78.8 118.2

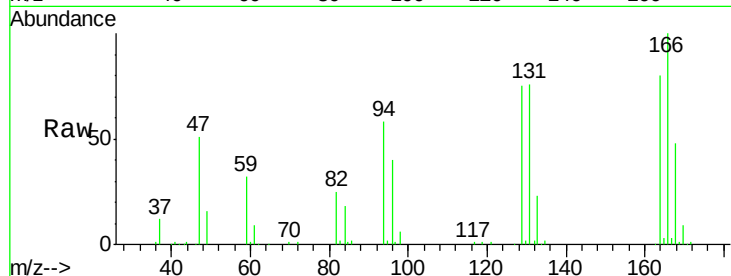
131 95.0 78.2 117.2

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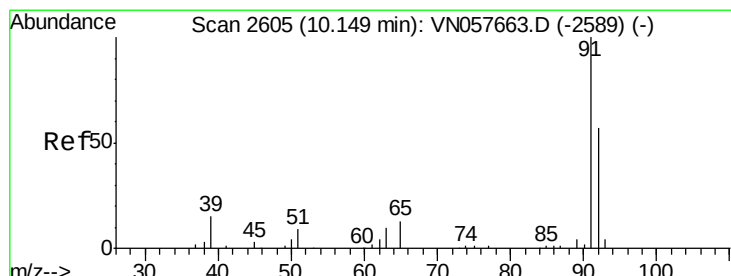
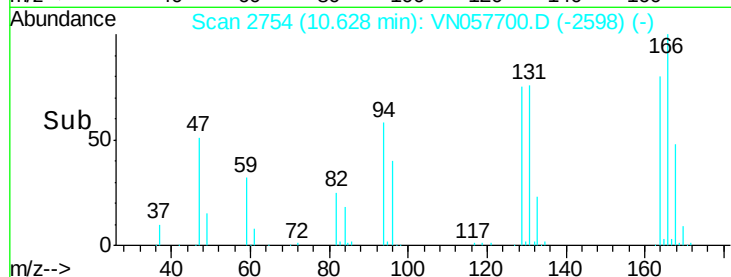
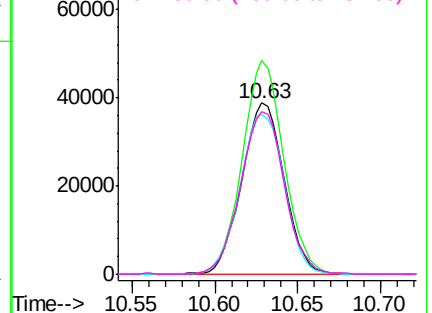


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 19.488 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN057700.D

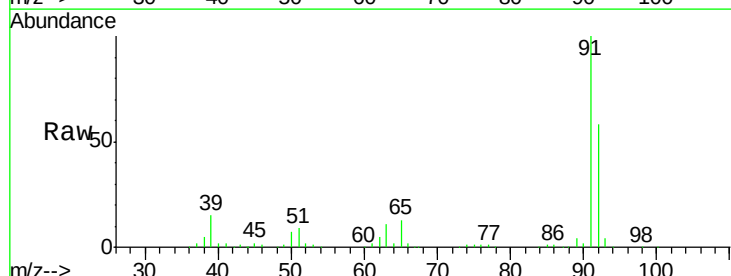
Acq: 5 Sep 2019 12:53

Tgt Ion: 91 Resp: 319034

Ion Ratio Lower Upper

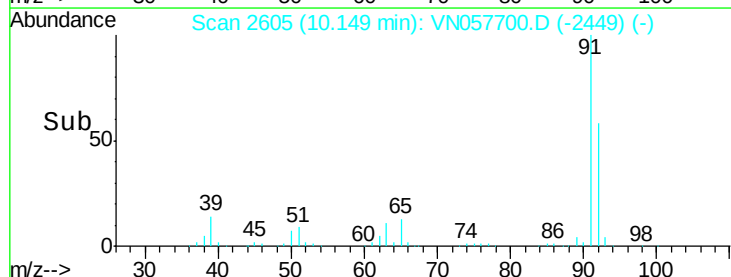
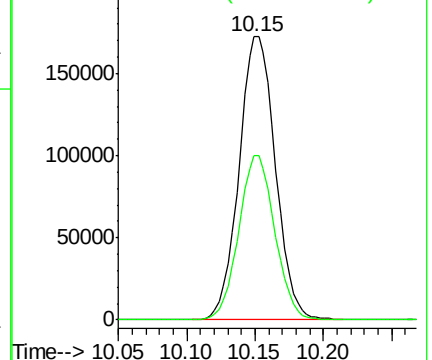
91 100

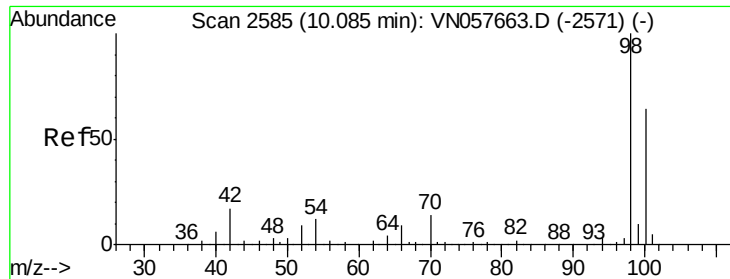
92 57.6 46.1 69.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





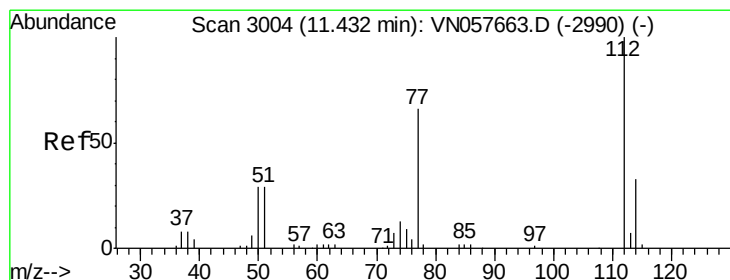
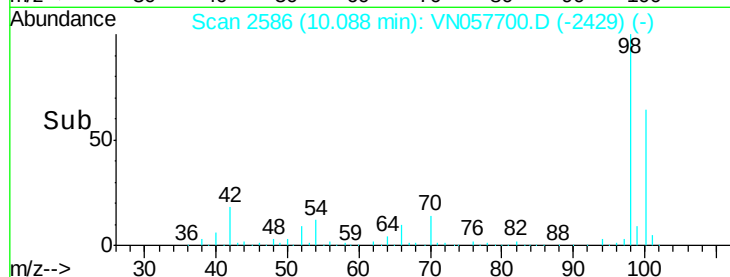
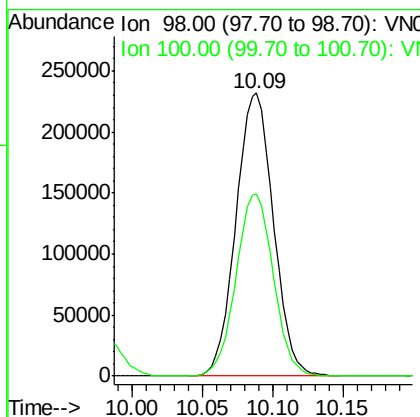
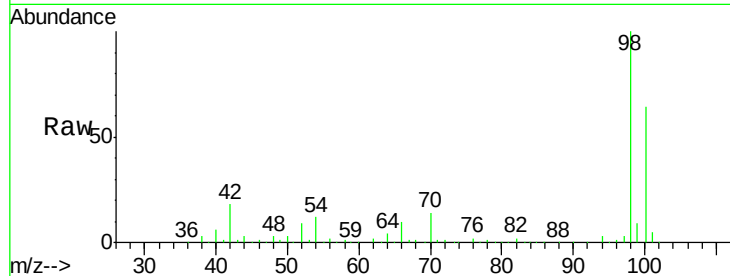
#63
Toluene-d8
Concen: 30.801 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. 0.00 min
Lab File: VN057700.D
Acq: 5 Sep 2019 12:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion: 98 Resp: 432456
Ion Ratio Lower Upper
98 100
100 63.8 51.0 76.6

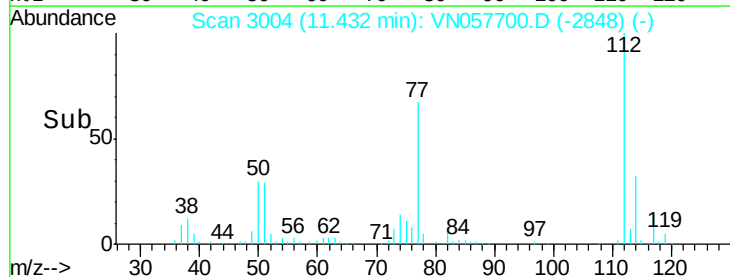
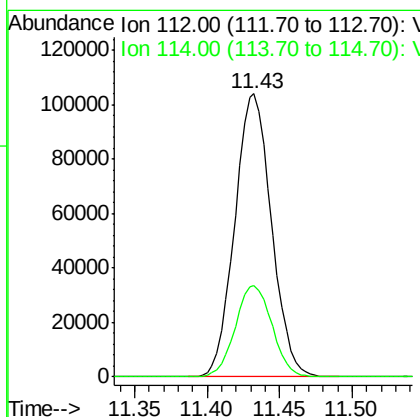
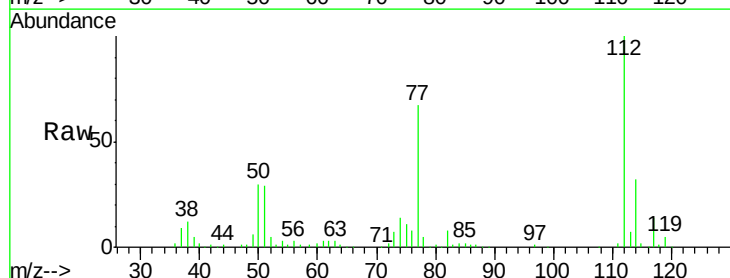
Manual Integrations
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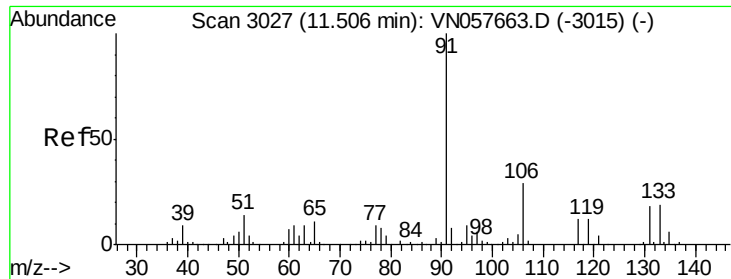
MMDadoda
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#64
Chlorobenzene
Concen: 19.024 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN057700.D
Acq: 5 Sep 2019 12:53

Tgt Ion: 112 Resp: 182872
Ion Ratio Lower Upper
112 100
114 32.1 26.2 39.4





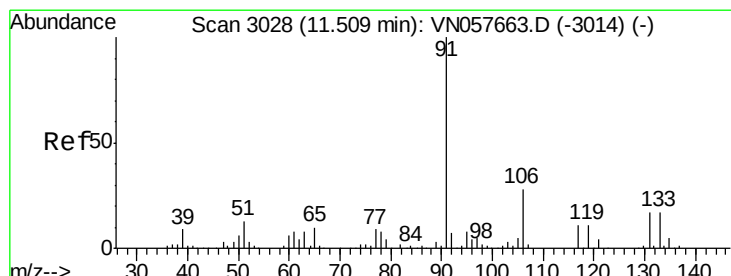
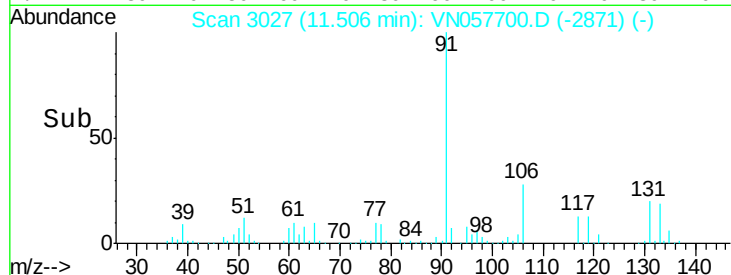
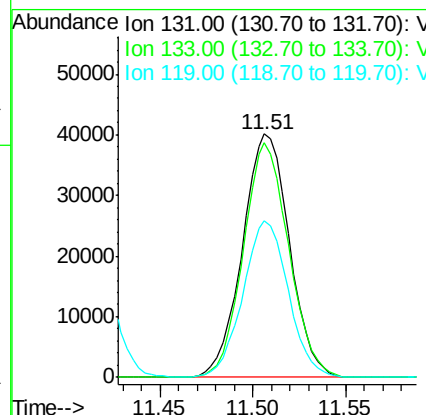
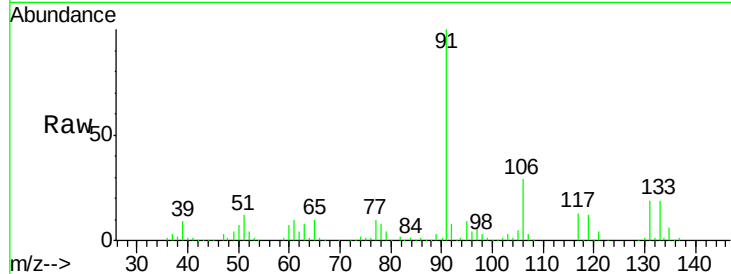
#65
 1,1,1,2-Tetrachloroethane
 Concen: 20.109 ug/l
 RT: 11.51 min Scan# 3027
 Delta R.T. 0.00 min
 Lab File: VN057700.D
 Acq: 5 Sep 2019 12:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
131	100		
133	93.1	0.0	198.0
119	62.0	0.0	129.8

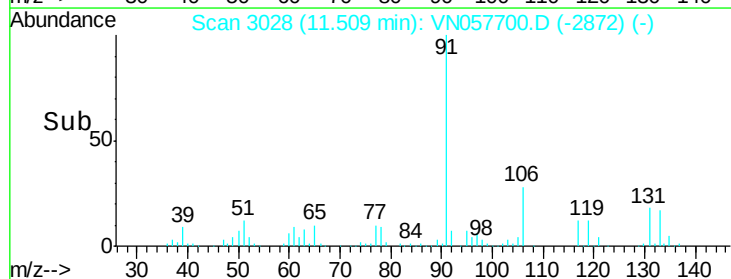
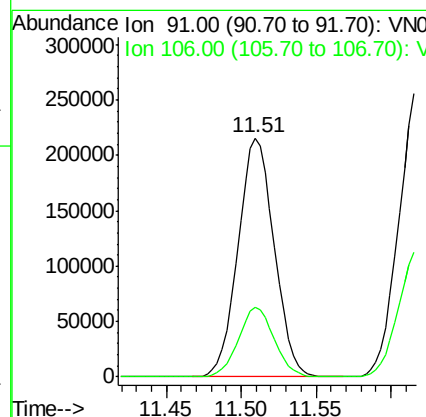
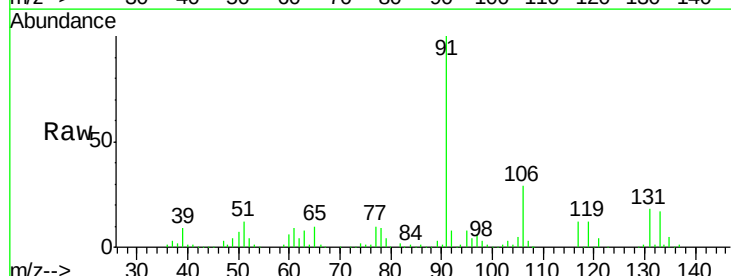
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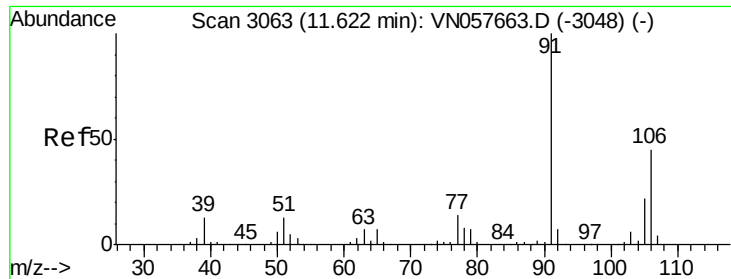
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 9/6/2019 8:26:30 AM



#66
 Ethyl Benzene
 Concen: 19.797 ug/l
 RT: 11.51 min Scan# 3028
 Delta R.T. 0.00 min
 Lab File: VN057700.D
 Acq: 5 Sep 2019 12:53

Tgt Ion	Ratio	Lower	Upper
91	100		
106	29.2	22.7	34.1





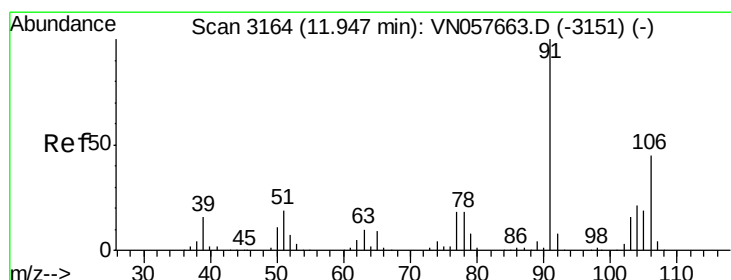
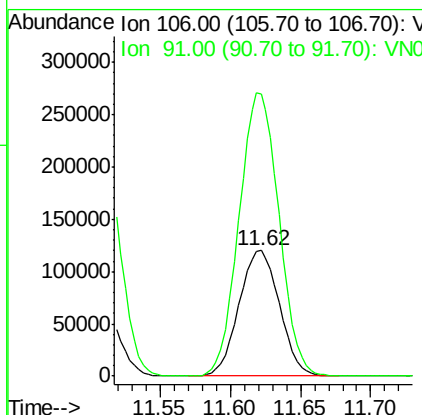
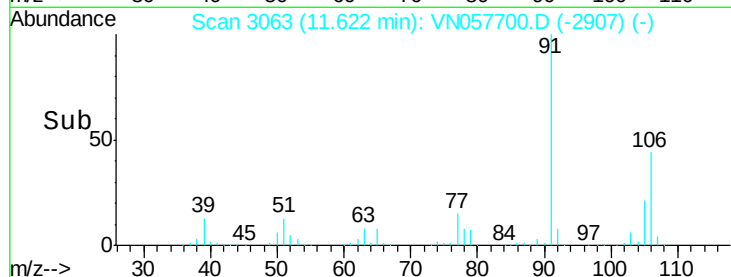
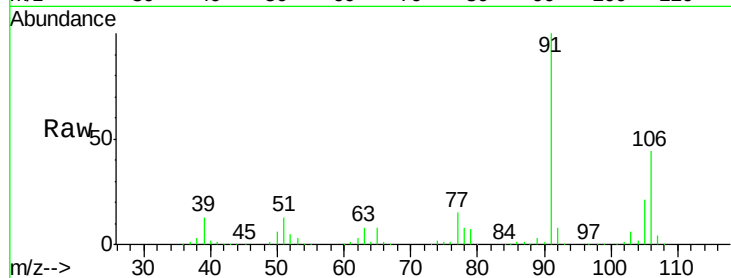
#67
m/p-Xylenes
Concen: 37.676 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN057700.D
Acq: 5 Sep 2019 12:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion:106 Resp: 241800
Ion Ratio Lower Upper
106 100
91 220.8 178.9 268.3

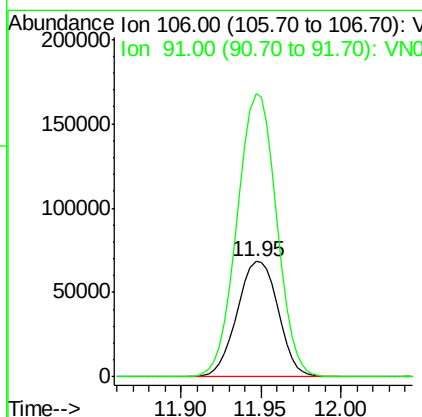
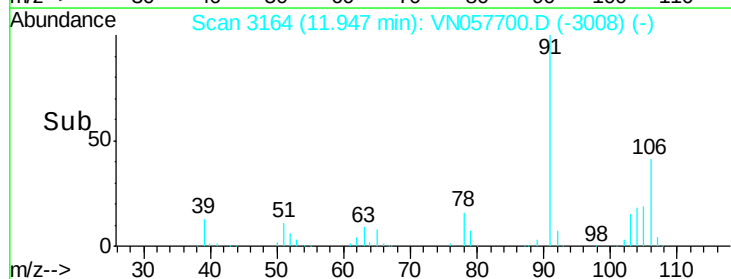
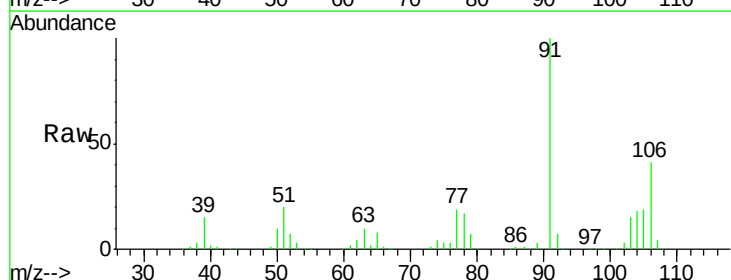
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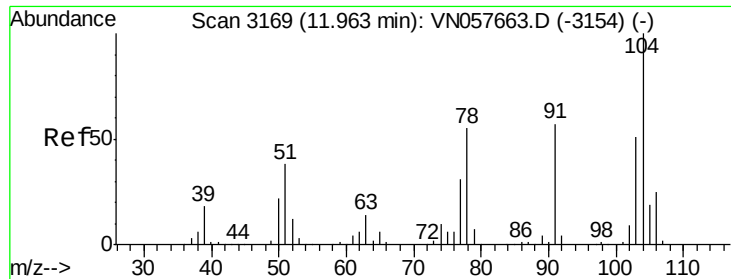
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9/6/2019 8:26:30 AM



#68
o-Xylene
Concen: 18.746 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN057700.D
Acq: 5 Sep 2019 12:53

Tgt Ion:106 Resp: 119793
Ion Ratio Lower Upper
106 100
91 236.1 114.0 342.0





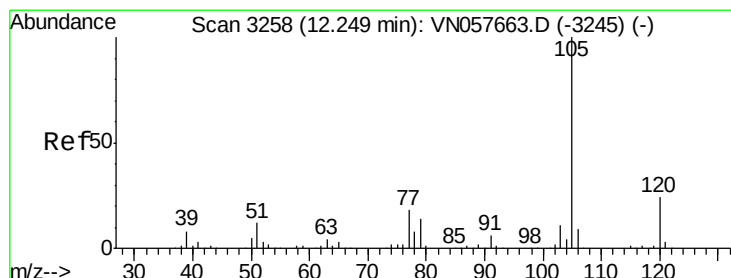
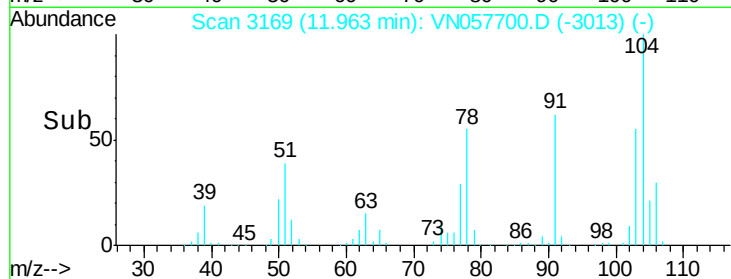
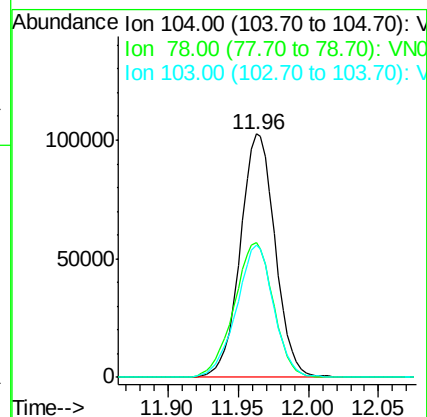
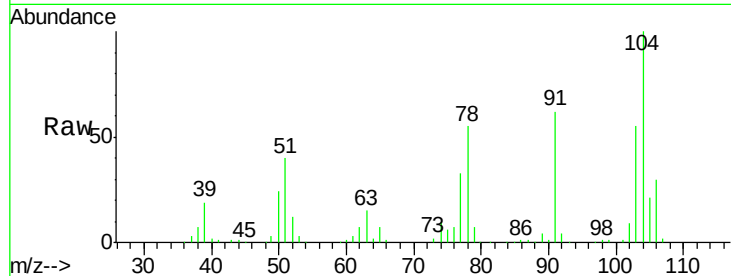
#69
Stvrene
Concen: 17.386 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN057700.D
Acq: 5 Sep 2019 12:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
104	100		
78	61.9	49.0	73.6
103	57.8	44.9	67.3

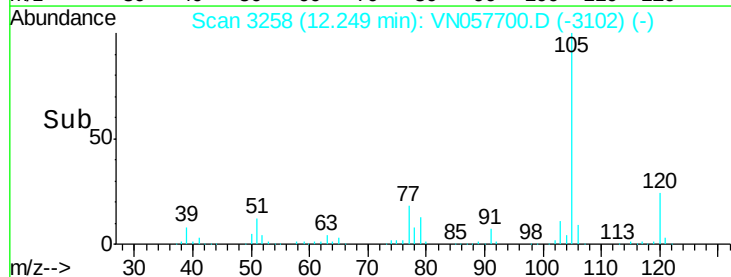
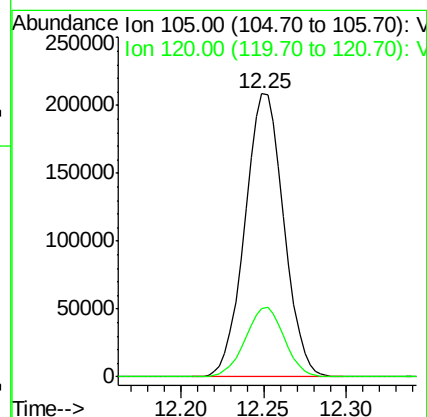
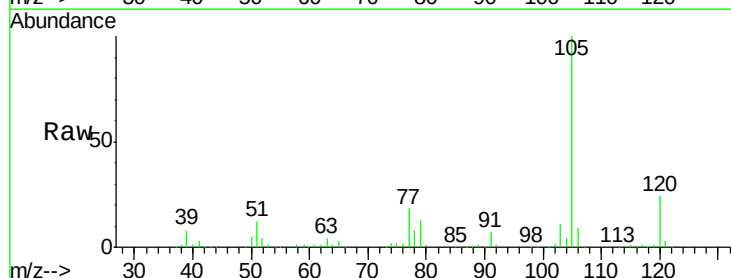
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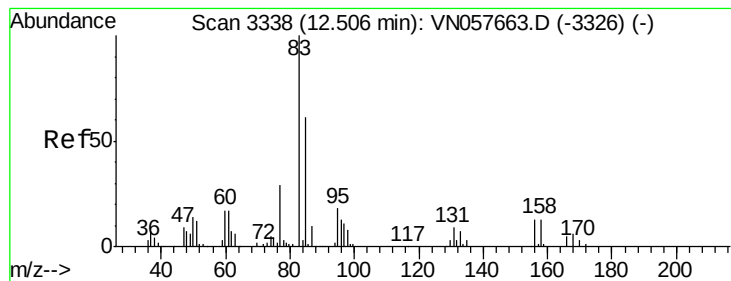
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#70
Isopropylbenzene
Concen: 19.398 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN057700.D
Acq: 5 Sep 2019 12:53

Tgt Ion	Ratio	Lower	Upper
105	100		
120	24.6	17.2	32.0





#71

1,1,2,2-Tetrachloroethane

Concen: 19.360 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN057700.D

Acq: 5 Sep 2019 12:53

Instrument :

MSVOA_N

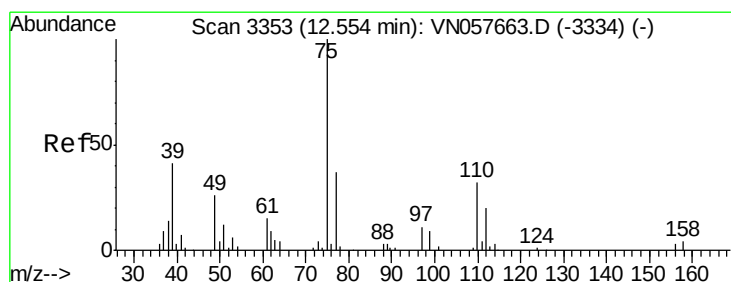
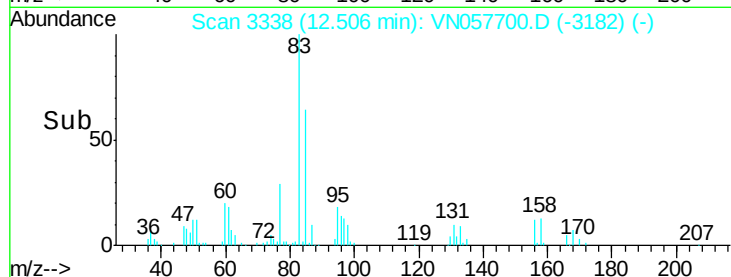
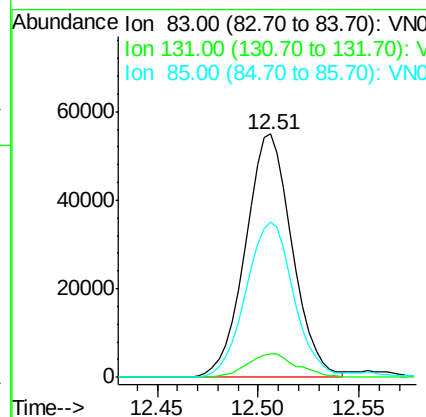
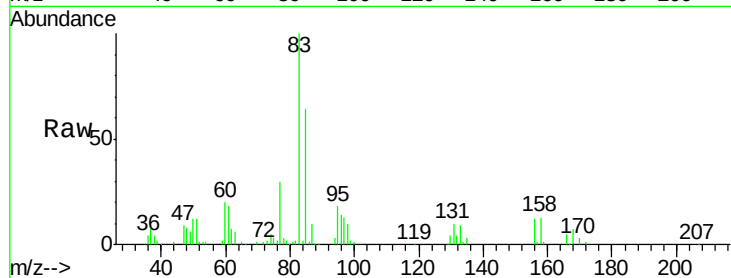
ClientSampled :

VSTDCCC020EC

Tot Ion:	83	Resp:	89285
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.0	14.9
85	65.0	31.7	95.1

Manual Integrations
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#72

1,2,3-Trichloropropane

Concen: 18.683 ug/l m

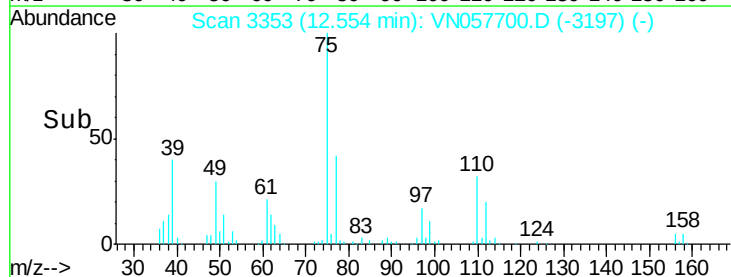
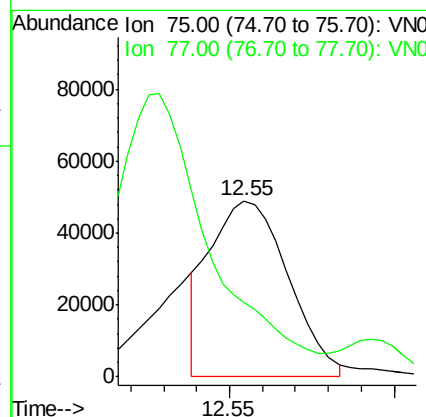
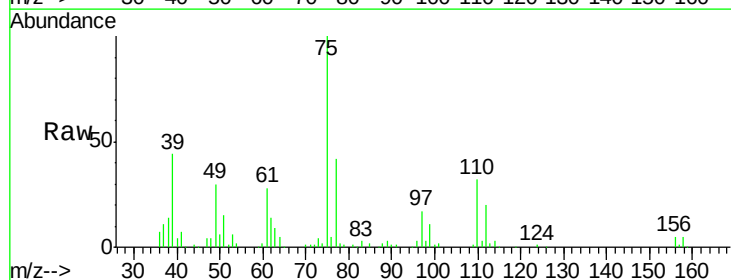
RT: 12.55 min Scan# 3353

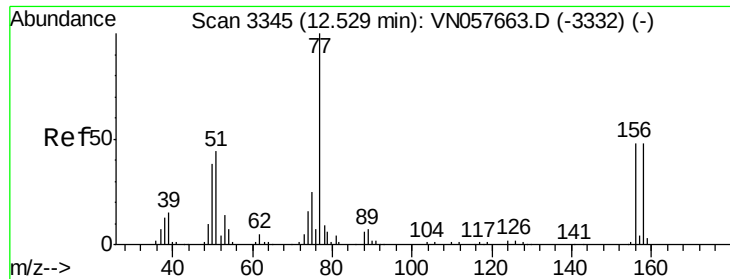
Delta R.T. 0.00 min

Lab File: VN057700.D

Acq: 5 Sep 2019 12:53

Tgt Ion:	75	Resp:	81037
Ion Ratio	Lower	Upper	
75	100		
77	204.0	0.0	405.6





#73

Bromobenzene

Concen: 18.027 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN057700.D

Acq: 5 Sep 2019 12:53

Instrument :

MSVOA_N

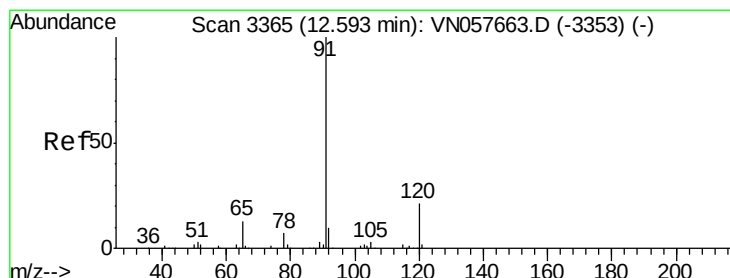
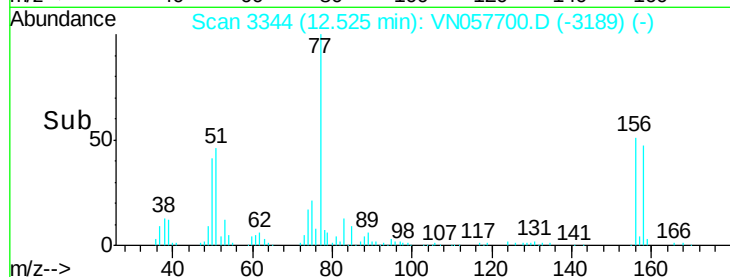
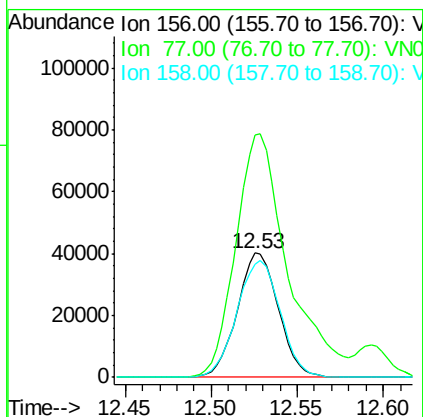
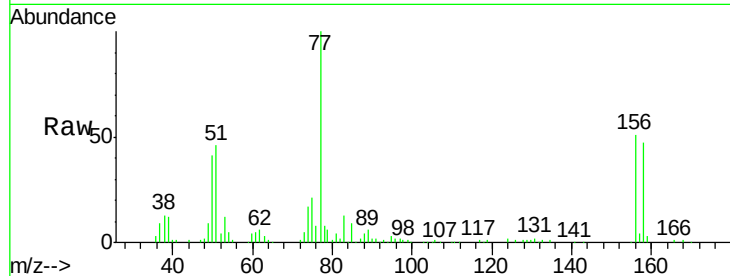
ClientSampled :

VSTDCCC020EC

Tot Ion:	156	Resp:	66961
Ion Ratio	Lower	Upper	
156	100		
77	246.9	0.0	495.6
158	98.4	0.0	197.8

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#74

n-propylbenzene

Concen: 17.726 ug/l

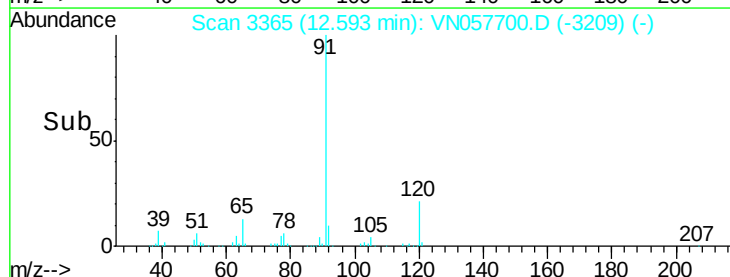
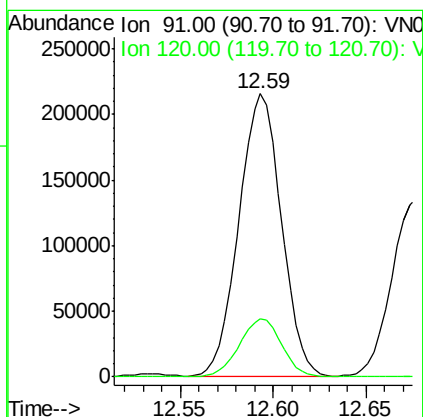
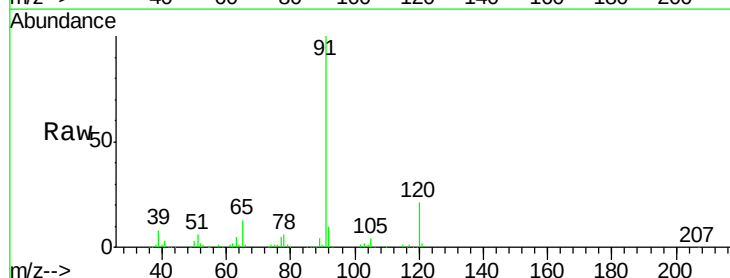
RT: 12.59 min Scan# 3365

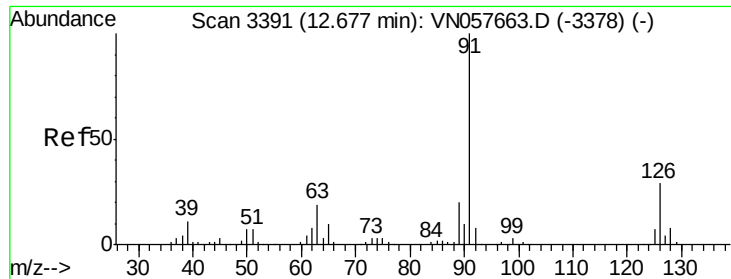
Delta R.T. 0.00 min

Lab File: VN057700.D

Acq: 5 Sep 2019 12:53

Tgt Ion:	91	Resp:	343942
Ion Ratio	Lower	Upper	
91	100		
120	20.4	0.0	40.4





#75

2-Chlorotoluene

Concen: 18.616 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN057700.D

Acq: 5 Sep 2019 12:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 91 Resp: 226145

Ion Ratio Lower Upper

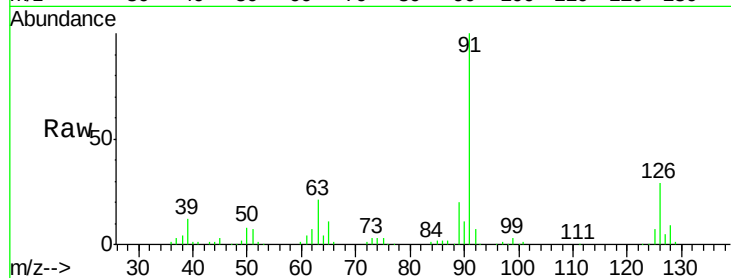
91 100

126 29.4 0.0 59.2

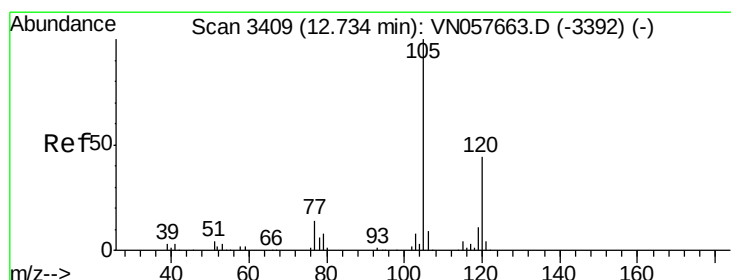
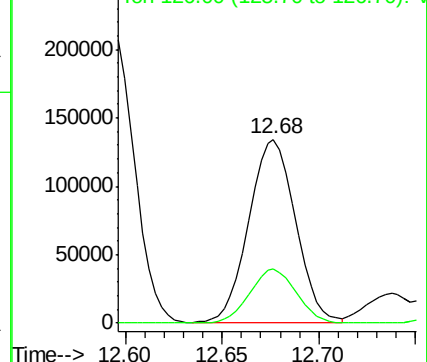
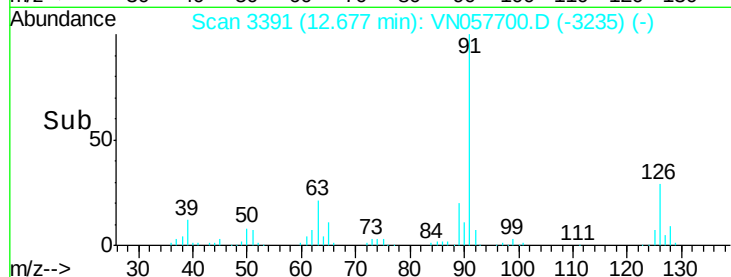
Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VN057700.D (-3235) (-)



#76

1,3,5-Trimethylbenzene

Concen: 18.920 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN057700.D

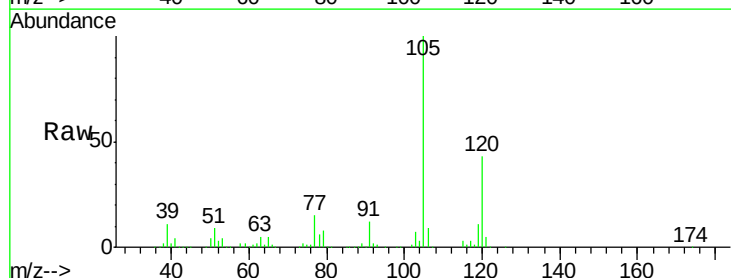
Acq: 5 Sep 2019 12:53

Tgt Ion: 105 Resp: 275314

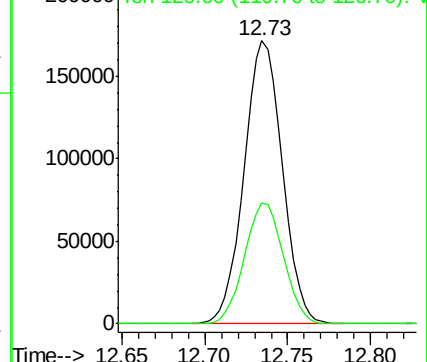
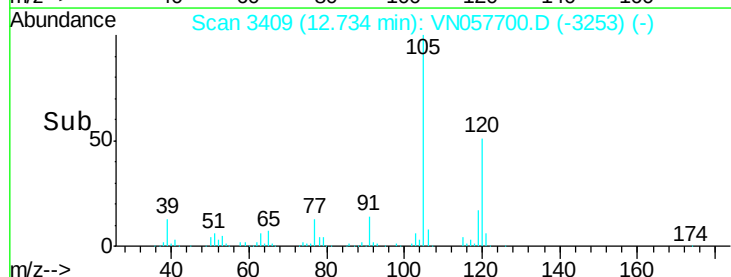
Ion Ratio Lower Upper

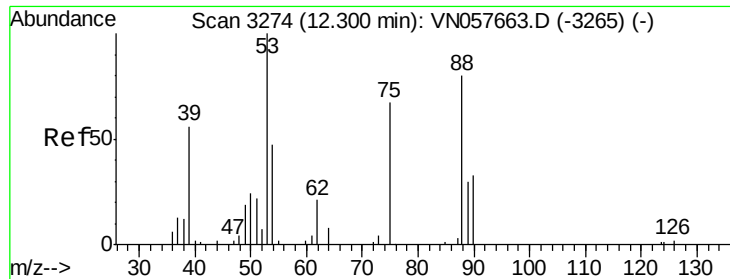
105 100

120 43.7 0.0 91.0



Abundance Ion 105.00 (104.70 to 105.70): VN057700.D (-3253) (-)





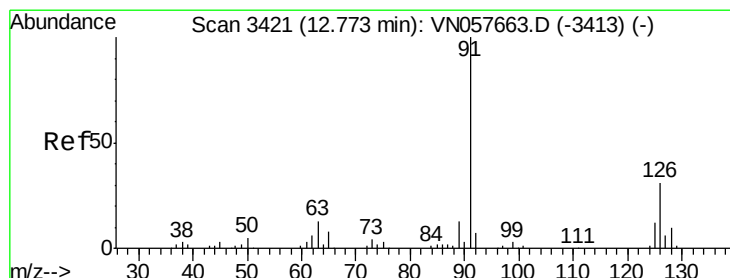
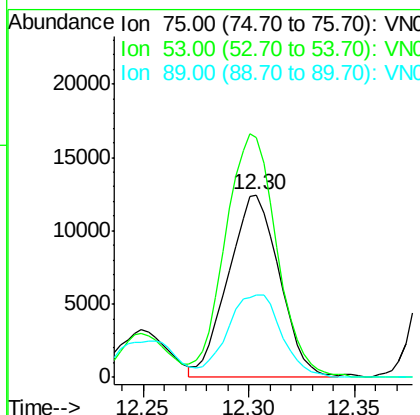
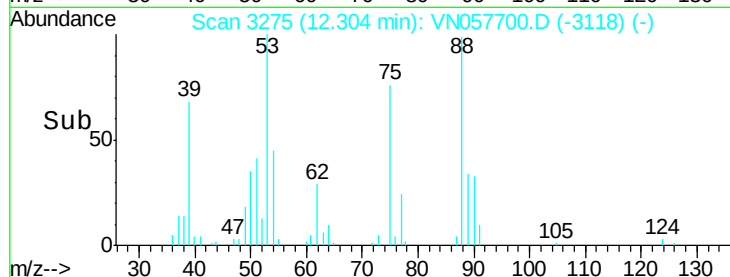
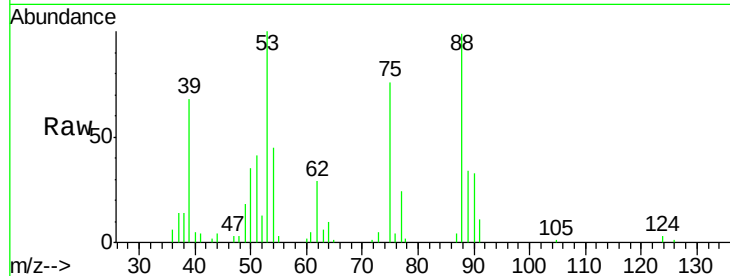
#77
t-1,4-Dichloro-2-butene
Concen: 15.872 ug/l
RT: 12.30 min Scan# 3275
Delta R.T. 0.00 min
Lab File: VN057700.D
Acq: 5 Sep 2019 12:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	131.6	74.2	222.6
89	45.7	23.3	69.9

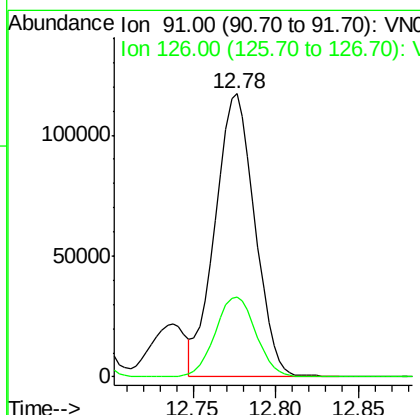
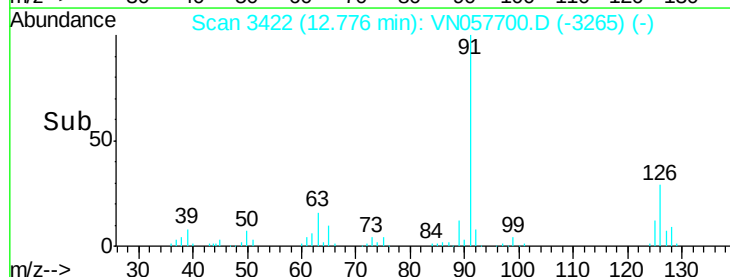
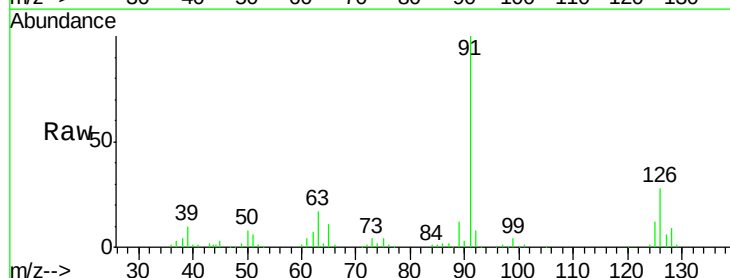
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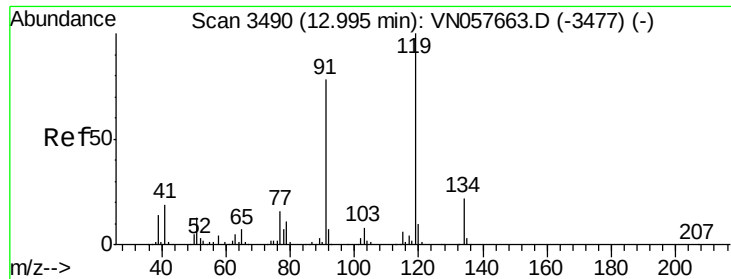
MMDadoda
9/6/2019 8:26:30 AM



#78
4-Chlorotoluene
Concen: 16.794 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. 0.00 min
Lab File: VN057700.D
Acq: 5 Sep 2019 12:53

Tgt Ion	Ratio	Lower	Upper
91	100		
126	29.0	0.0	57.8





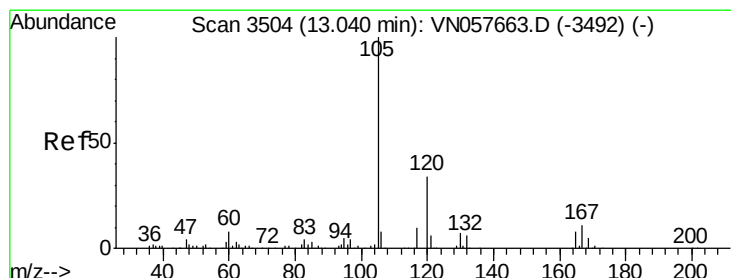
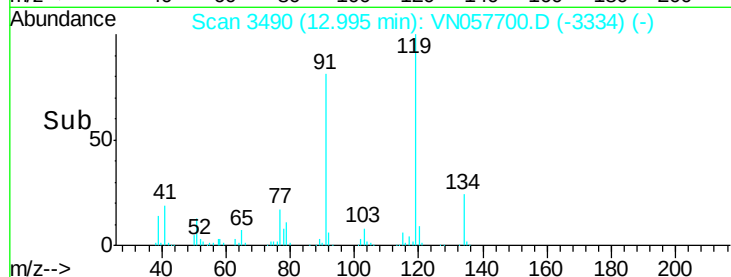
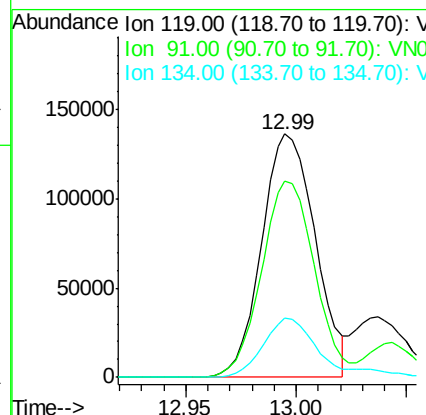
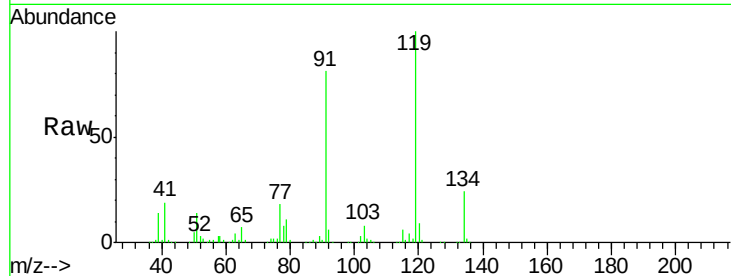
#79
tert-butylbenzene
Concen: 18.352 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN057700.D
Acq: 5 Sep 2019 12:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	229352		
91	79.6	0.0	155.6	
134	23.5	0.0	48.2	

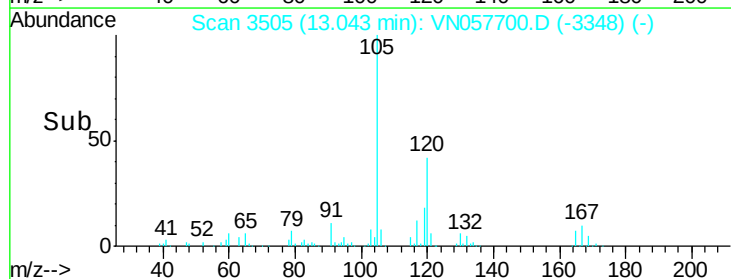
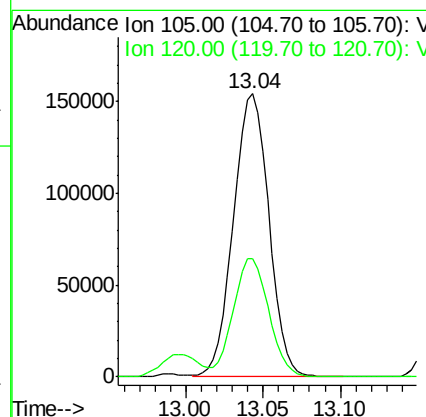
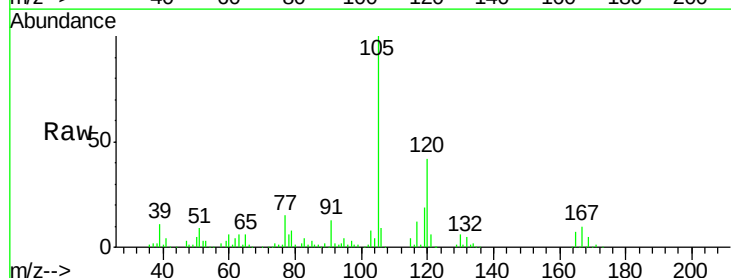
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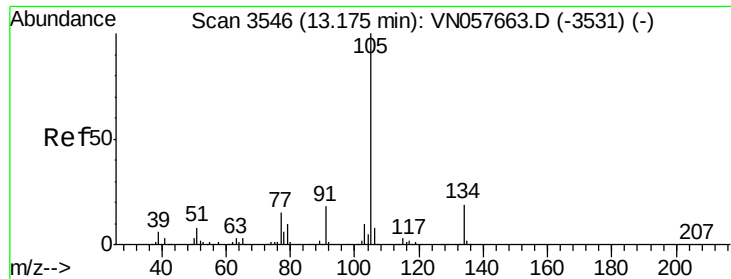
MMDadoda
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#80
1,2,4-Trimethylbenzene
Concen: 17.995 ug/l
RT: 13.04 min Scan# 3505
Delta R.T. 0.00 min
Lab File: VN057700.D
Acq: 5 Sep 2019 12:53

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	246029		
120	41.8	0.0	83.4	





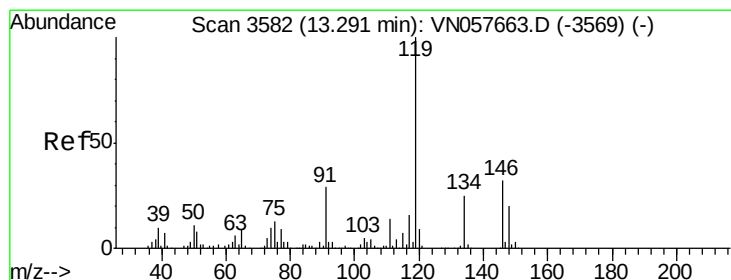
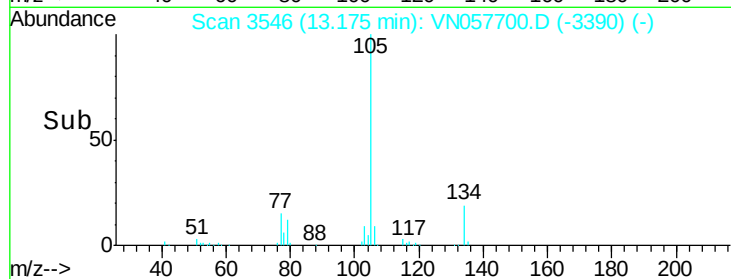
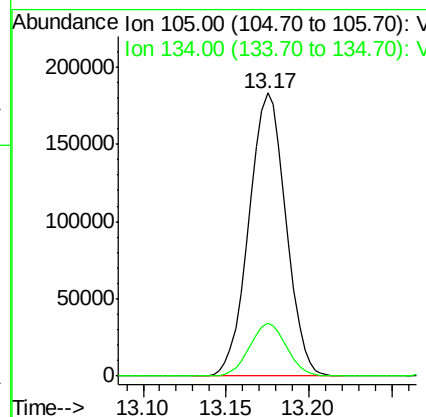
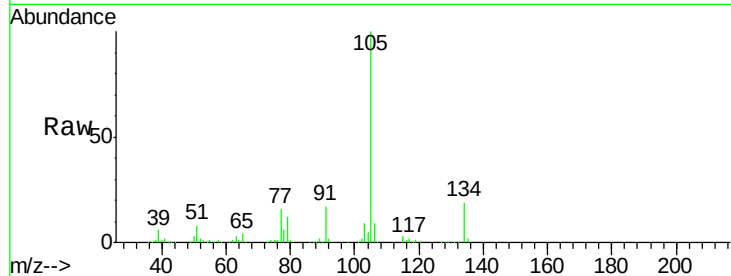
#81
 sec-Butylbenzene
 Concen: 17.614 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. 0.00 min
 Lab File: VN057700.D
 Acq: 5 Sep 2019 12:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
105	100	283677		
134	18.5	0.0	36.2	

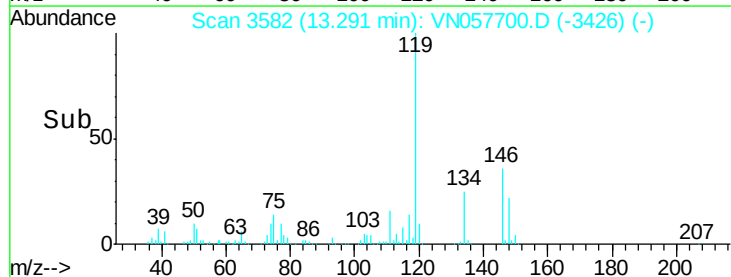
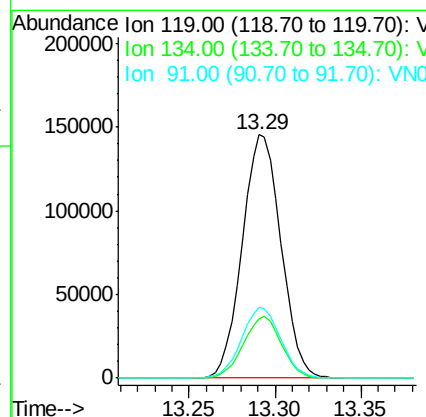
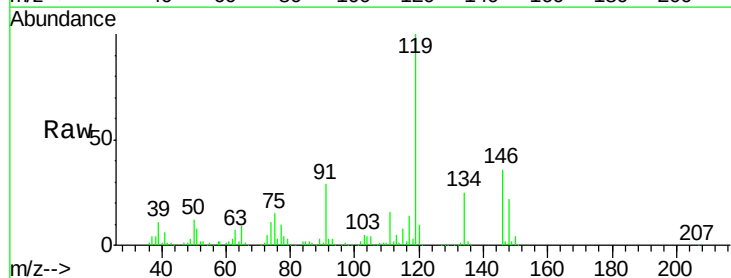
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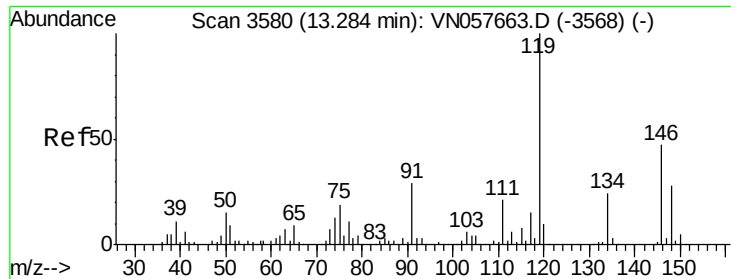
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 9/6/2019 8:26:30 AM



#82
 p-Isopropyltoluene
 Concen: 16.645 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN057700.D
 Acq: 5 Sep 2019 12:53

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	227683		
134	24.9	0.0	49.6	
91	29.3	0.0	56.2	





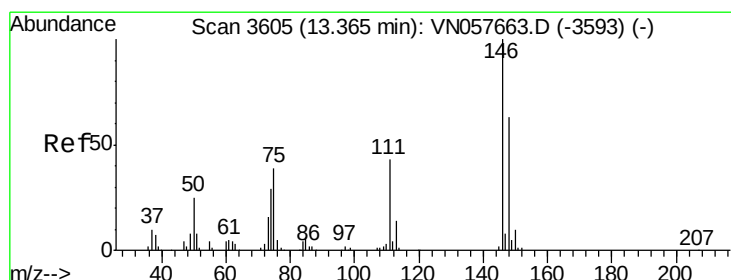
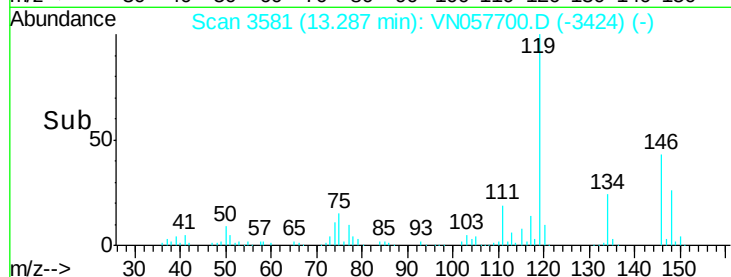
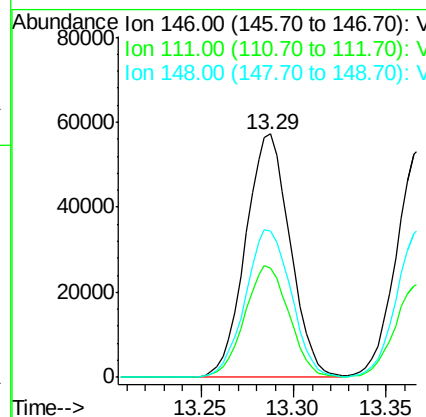
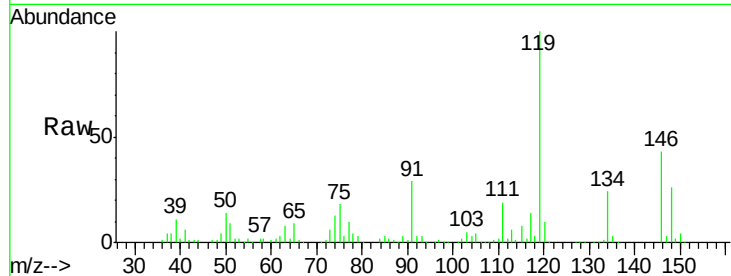
#83
 1,3-Dichlorobenzene
 Concen: 17.171 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN057700.D
 Acq: 5 Sep 2019 12:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.6	22.1	66.3
148	62.1	31.3	93.9

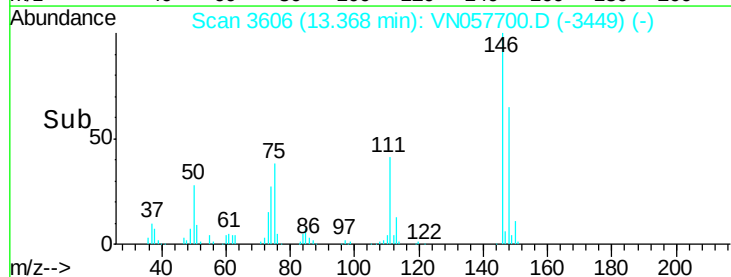
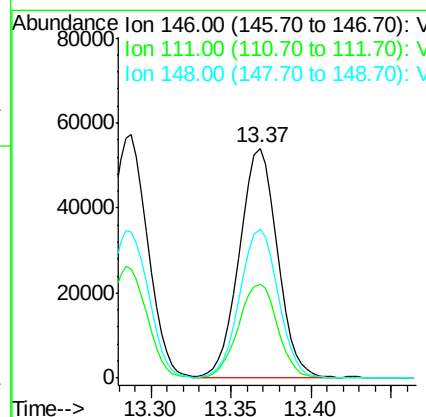
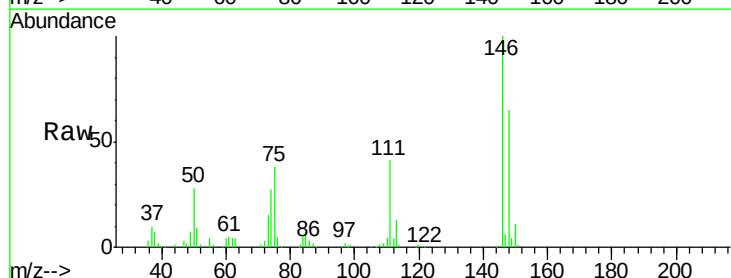
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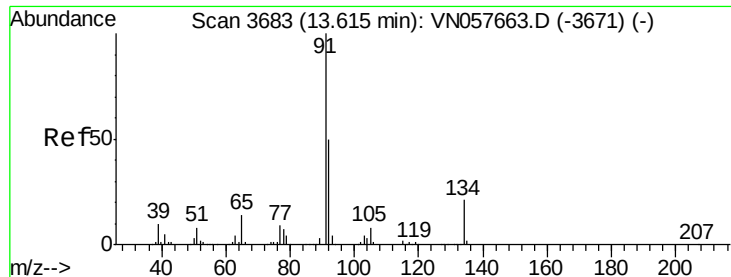
MMDadoda
 9/6/2019 8:26:30 AM



#84
 1,4-Dichlorobenzene
 Concen: 16.768 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN057700.D
 Acq: 5 Sep 2019 12:53

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.8	21.3	63.9
148	65.1	31.0	93.0





#85

n-Butylbenzene

Concen: 16.058 ug/l

RT: 13.62 min Scan# 3684

Delta R.T. 0.00 min

Lab File: VN057700.D

Acq: 5 Sep 2019 12:53

Instrument :

MSVOA_N

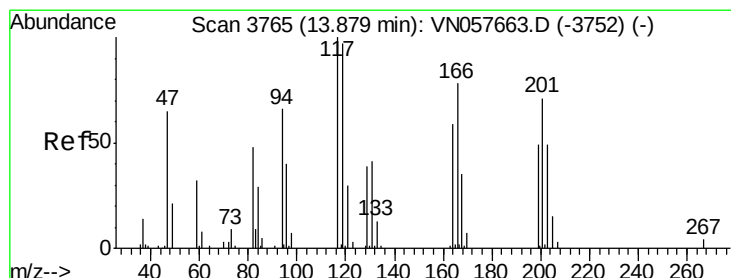
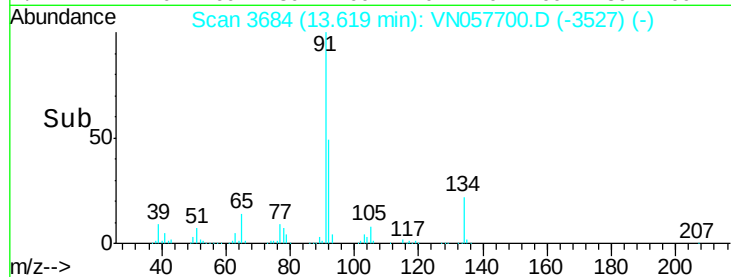
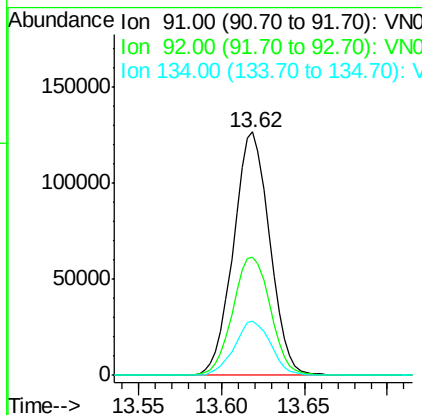
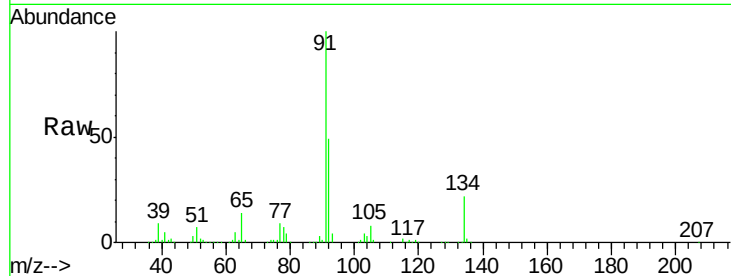
ClientSampleId :

VSTDCCC020EC

Tot Ion:	91	Resp:	193071
Ion Ratio	Lower	Upper	
91	100		
92	50.6	0.0	100.2
134	22.4	0.0	43.8

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#86

Hexachloroethane

Concen: 18.229 ug/l

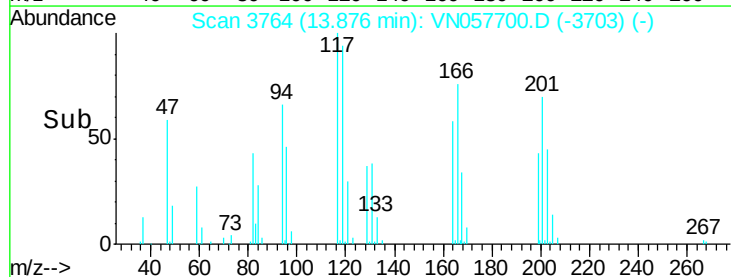
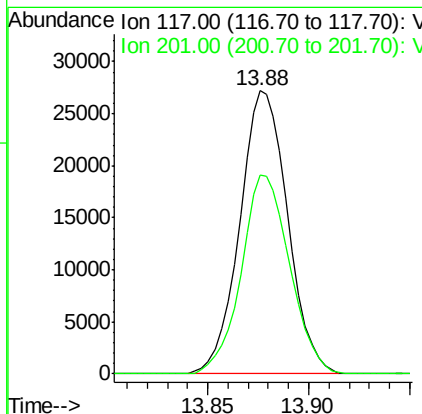
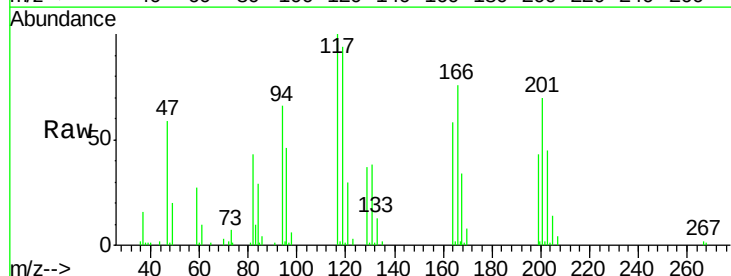
RT: 13.88 min Scan# 3764

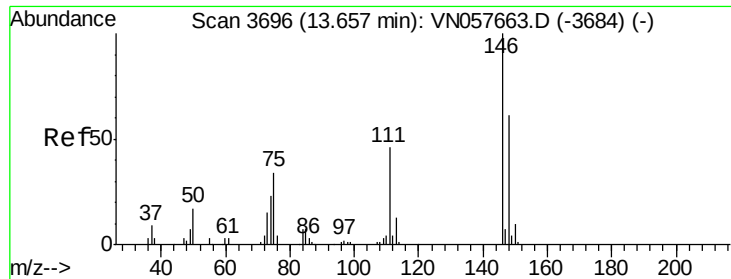
Delta R.T. -0.00 min

Lab File: VN057700.D

Acq: 5 Sep 2019 12:53

Tgt Ion:	117	Resp:	45122
Ion Ratio	Lower	Upper	
117	100		
201	71.0	34.1	102.2





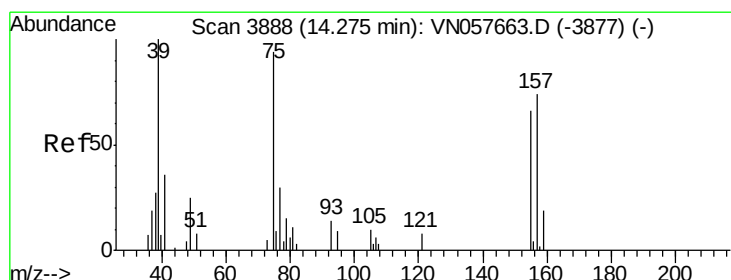
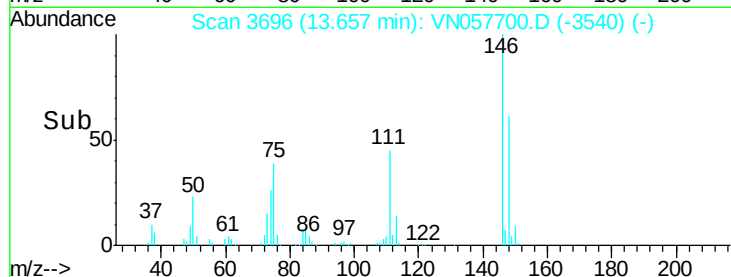
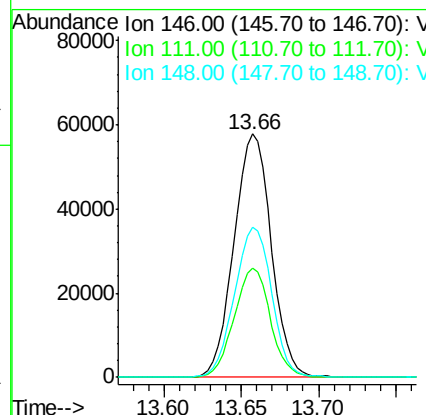
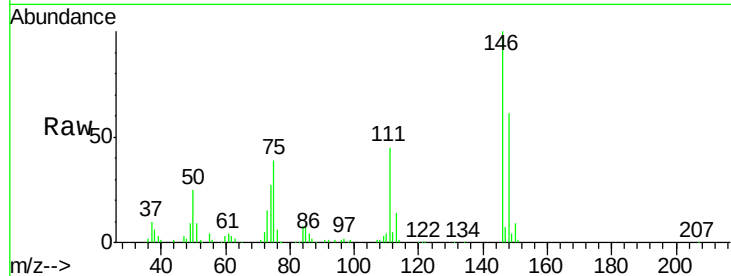
#87
 1,2-Dichlorobenzene
 Concen: 18.861 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN057700.D
 Acq: 5 Sep 2019 12:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.5	22.6	67.7
148	61.6	31.3	93.9

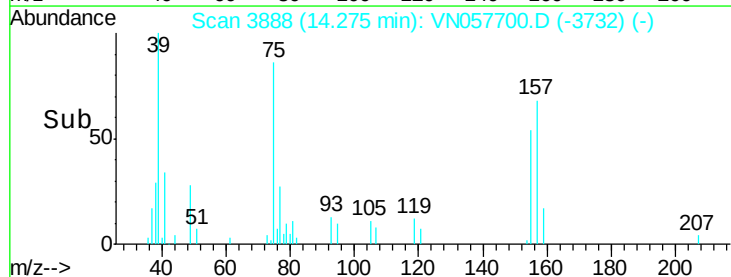
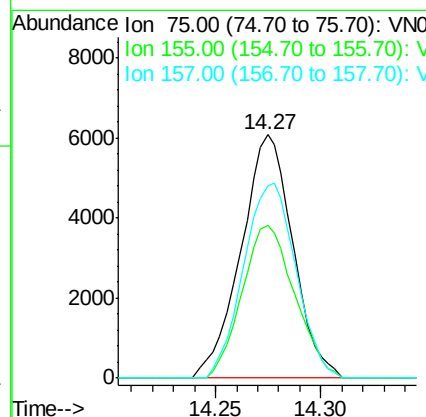
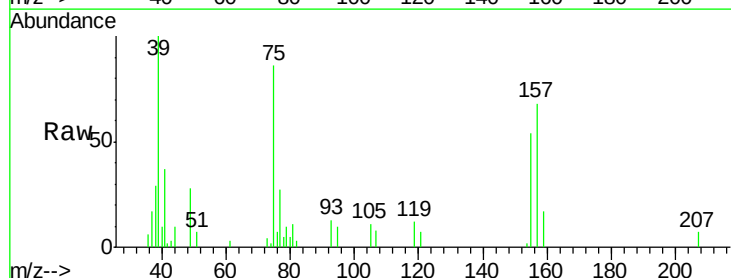
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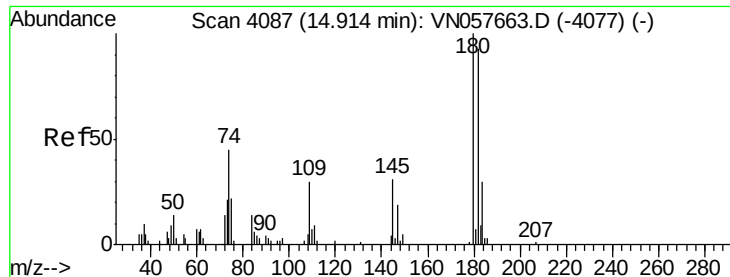
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 15.358 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN057700.D
 Acq: 5 Sep 2019 12:53

Tgt Ion	Ratio	Lower	Upper
75	100		
155	63.7	54.6	82.0
157	80.8	65.5	98.3





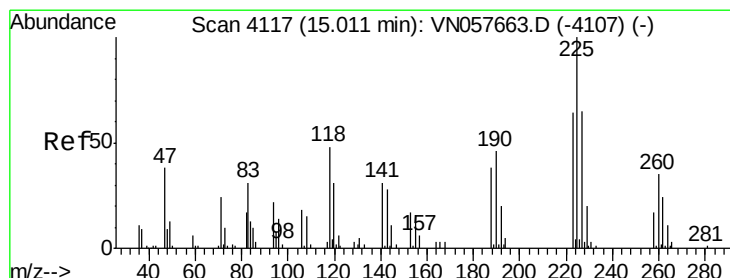
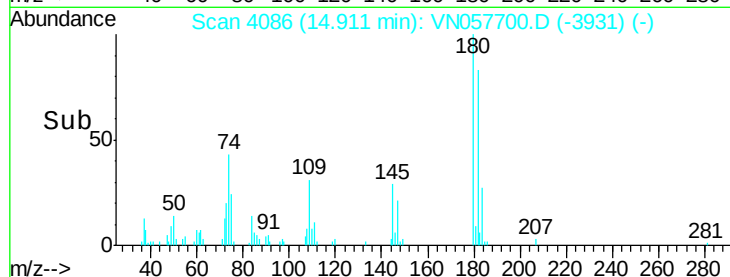
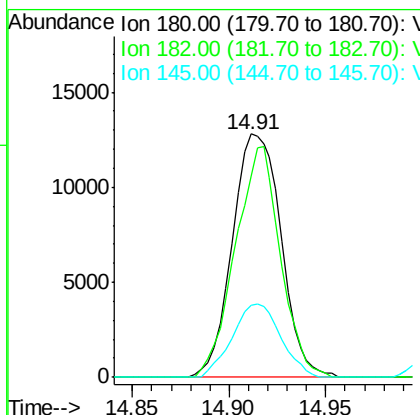
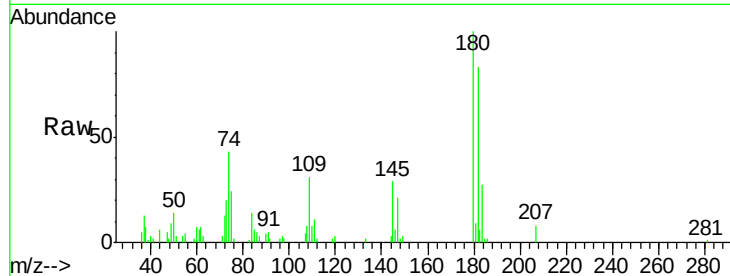
#89
 1,2,4-Trichlorobenzene
 Concen: 12.619 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. -0.00 min
 Lab File: VN057700.D
 Acq: 5 Sep 2019 12:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	87.7	77.4	116.2
145	30.0	25.1	37.7

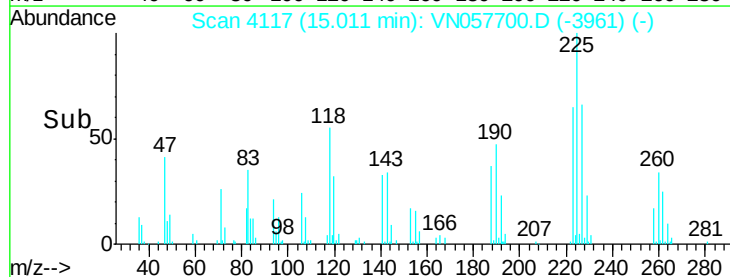
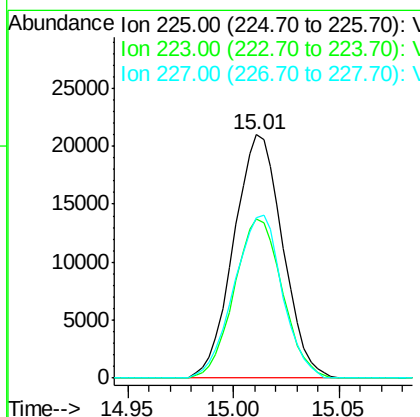
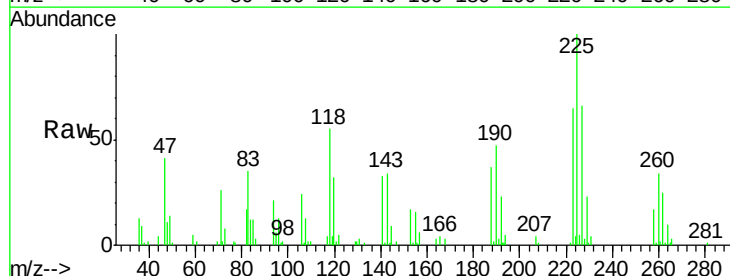
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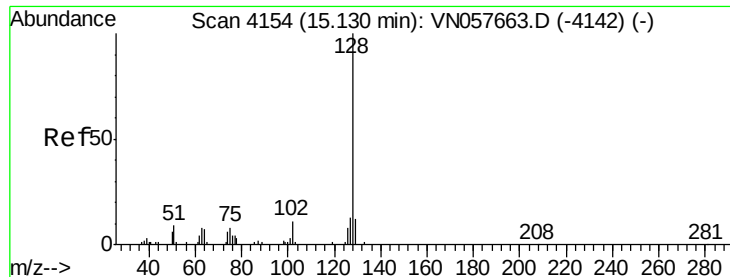
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#90
 Hexachlorobutadiene
 Concen: 17.159 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN057700.D
 Acq: 5 Sep 2019 12:53

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.2	0.0	131.0
227	65.8	0.0	128.6





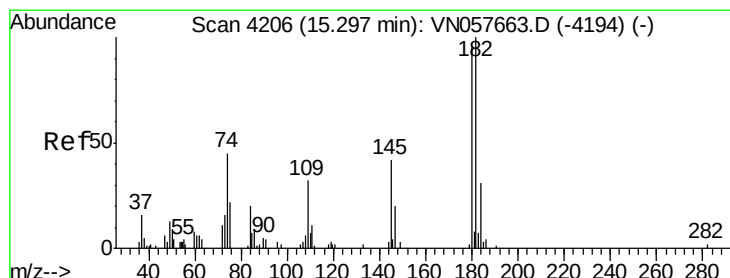
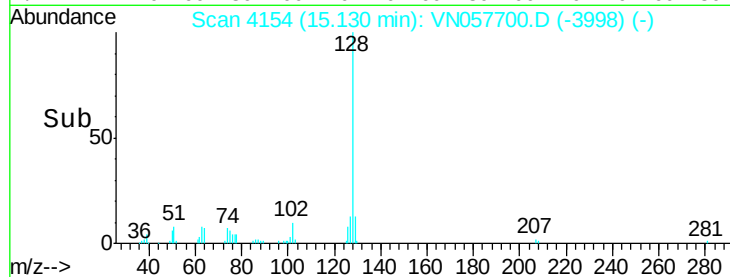
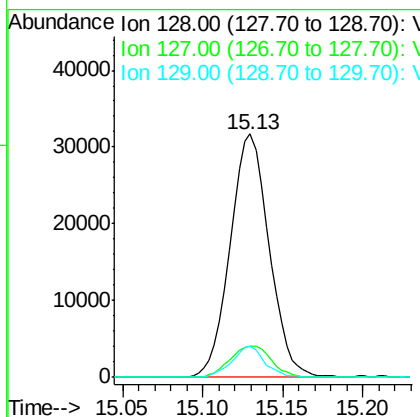
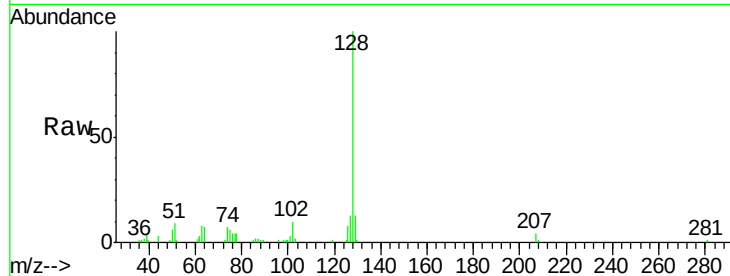
#91
Naphthalene
Concen: 11.399 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN057700.D
Acq: 5 Sep 2019 12:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion:	128	Resp:	52645
Ion Ratio	Lower	Upper	
128	100		
127	13.5	10.3	15.5
129	10.7	9.1	13.7

Manual Integrations
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#92
1,2,3-Trichlorobenzene
Concen: 12.838 ug/l
RT: 15.30 min Scan# 4206
Delta R.T. 0.00 min
Lab File: VN057700.D
Acq: 5 Sep 2019 12:53

Tgt Ion:	180	Resp:	22183
Ion Ratio	Lower	Upper	
180	100		
182	90.7	0.0	199.4
145	34.9	0.0	73.2

