

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090519\
 Data File : VN057699.D
 Acq On : 5 Sep 2019 12:31
 Operator : JC/SP
 Sample : VN0905WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0905WBSD01

Manual Integrations
 APPROVED

MMDadoda
 9/6/2019 8:26:27 AM

Quant Time: Sep 06 01:44:26 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	56890	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	337783	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	286182	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.02	65	182007	30.10	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.33%
60) 4-Bromofluorobenzene	12.40	95	142772	29.20	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.33%
63) Toluene-d8	10.09	98	426011	30.91	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	103.03%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.84	85	85667	20.901 ug/l	97
3) Chloromethane	2.05	50	79274	18.341 ug/l	99
4) Vinyl Chloride	2.18	62	71943	20.354 ug/l	92
5) Bromomethane	2.56	94	45292	20.044 ug/l	99
6) Chloroethane	2.70	64	51044	19.777 ug/l #	89
7) Trichlorofluoromethane	3.02	101	140612	20.771 ug/l	97
8) Diethyl Ether	3.40	74	45024	20.220 ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	73331	20.844 ug/l	100
10) 1,1-Dichloroethene	3.73	96	67051	20.891 ug/l	91
11) Methyl Iodide	3.95	142	80515	18.116 ug/l	98
12) Methyl Acetate	4.31	43	98426	20.540 ug/l	99
13) Acrolein	3.60	56	21888	80.502 ug/l	92
14) Acrylonitrile	4.97	53	172511	98.917 ug/l	98
15) Acetone	3.80	58	43786	89.507 ug/l	97
16) Carbon Disulfide	4.05	76	151171	18.750 ug/l	96
17) Allyl chloride	4.32	41	144319	21.054 ug/l	98
18) Methylene Chloride	4.54	84	78230	19.451 ug/l	98
19) trans-1,2-Dichloroethene	5.03	96	69414	20.446 ug/l	96
20) Diisopropyl ether	5.93	45	298843	20.232 ug/l	93
21) 1,1-Dichloroethane	5.84	63	152993	20.095 ug/l	99
22) cis-1,2-Dichloroethene	6.82	96	84156	20.294 ug/l #	88
23) tert-Butyl Alcohol	4.75	59	54811m	86.433 ug/l	
24) Methyl tert-Butyl Ether	5.02	73	261877	20.535 ug/l	100
25) Chloroform	7.36	83	160847	20.381 ug/l	94
26) Cyclohexane	7.64	56	131351	20.261 ug/l #	99
29) 1,1-Dichloropropene	7.78	75	110635	20.511 ug/l	98
30) 2-Butanone	6.82	43	251644	98.760 ug/l #	98
31) 2,2-Dichloropropane	6.81	77	135089	20.236 ug/l #	77
32) 1,1,1-Trichloroethane	7.56	97	139607	20.906 ug/l	99
33) Carbon Tetrachloride	7.76	117	111799	20.616 ug/l	93
34) Benzene	8.03	78	314809	20.318 ug/l	94
35) Methacrylonitrile	7.16	41	41631m	17.835 ug/l	
36) 1,2-Dichloroethane	8.11	62	144454	20.921 ug/l #	100
37) Trichloroethene	8.83	130	75577	20.542 ug/l	98
38) Methylcyclohexane	9.08	83	121301	20.266 ug/l	98
39) 1,2-Dichloropropane	9.11	63	87037	20.543 ug/l	97
40) Dibromomethane	9.20	93	55903	20.354 ug/l	98

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Manual Integrations
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MMDadoda
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Quant Time: Sep 06 01:44:26 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)

41) Bromodichloromethane	9.40	83	119814	20.183	ug/l #	97
42) Vinyl Acetate	5.88	43	1205353	107.627	ug/l	100
43) Ethyl Acetate	6.91	43	115706m	22.052	ug/l	
44) Isopropyl Acetate	8.15	43	197391	20.123	ug/l	99
45) 1,4-Dioxane	9.19	88	19915	316.262	ug/l #	86
46) Methyl methacrylate	9.19	41	97269	20.436	ug/l	100
47) n-amyl Acetate	12.07	43	135230	17.776	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	117872	18.930	ug/l	96
49) cis-1,3-Dichloropropene	9.83	75	129629	19.512	ug/l	94
50) 1,1,2-Trichloroethane	10.56	97	75027	20.255	ug/l	98
51) Ethyl methacrylate	10.43	69	113306	18.764	ug/l	96
52) 1,3-Dichloropropane	10.71	76	134879	20.458	ug/l	99
53) Dibromochloromethane	10.90	129	76798	19.865	ug/l	96
54) 1,2-Dibromoethane	11.00	107	74580	20.141	ug/l	95
55) 2-Chloroethyl vinyl ether	9.69	63	146207	76.633	ug/l	99
56) Bromoform	12.13	173	42042	17.537	ug/l #	97
58) 4-Methyl-2-Pentanone	9.98	43	556246	109.983	ug/l	99
59) 2-Hexanone	10.75	43	362486	101.283	ug/l	100
61) Tetrachloroethene	10.63	164	70587	21.480	ug/l	99
62) Toluene	10.15	91	335593	20.886	ug/l	98
64) Chlorobenzene	11.43	112	189111	20.044	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	73805	21.353	ug/l	95
66) Ethyl Benzene	11.51	91	371053	20.659	ug/l	98
67) m/p-Xylenes	11.62	106	251392	39.909	ug/l	99
68) o-Xylene	11.95	106	123980	19.766	ug/l	92
69) Styrene	11.96	104	192342	19.132	ug/l	100
70) Isopropylbenzene	12.25	105	355034	20.636	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.51	83	97636	21.569	ug/l	98
72) 1,2,3-Trichloropropane	12.55	75	86729m	20.373	ug/l	
73) Bromobenzene	12.53	156	72024	19.755	ug/l	96
74) n-propylbenzene	12.59	91	366333	19.235	ug/l	99
75) 2-Chlorotoluene	12.68	91	237181	19.893	ug/l	97
76) 1,3,5-Trimethylbenzene	12.73	105	284515	19.921	ug/l	98
77) t-1,4-Dichloro-2-butene	12.30	75	23312	17.939	ug/l	92
78) 4-Chlorotoluene	12.78	91	210233	18.559	ug/l	97
79) tert-butylbenzene	13.00	119	247858	20.206	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	265077	19.753	ug/l	99
81) sec-Butylbenzene	13.17	105	303076	19.173	ug/l	99
82) p-Isopropyltoluene	13.29	119	245570	18.291	ug/l	100
83) 1,3-Dichlorobenzene	13.29	146	104889	19.210	ug/l	99
84) 1,4-Dichlorobenzene	13.37	146	95429	18.514	ug/l	99
85) n-Butylbenzene	13.62	91	206163	17.470	ug/l	99
86) Hexachloroethane	13.88	117	45499	18.728	ug/l	91
87) 1,2-Dichlorobenzene	13.66	146	100926	20.035	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.28	75	12186	18.363	ug/l	94
89) 1,2,4-Trichlorobenzene	14.91	180	22236	12.740	ug/l	96
90) Hexachlorobutadiene	15.01	225	37166	19.198	ug/l	94
91) Naphthalene	15.13	128	53748	11.857	ug/l	98
92) 1,2,3-Trichlorobenzene	15.30	180	22597	13.324	ug/l	96

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ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
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Manual Integrations
APPROVED

MMDadoda
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Quant Time: Sep 06 01:44:26 2019
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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)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

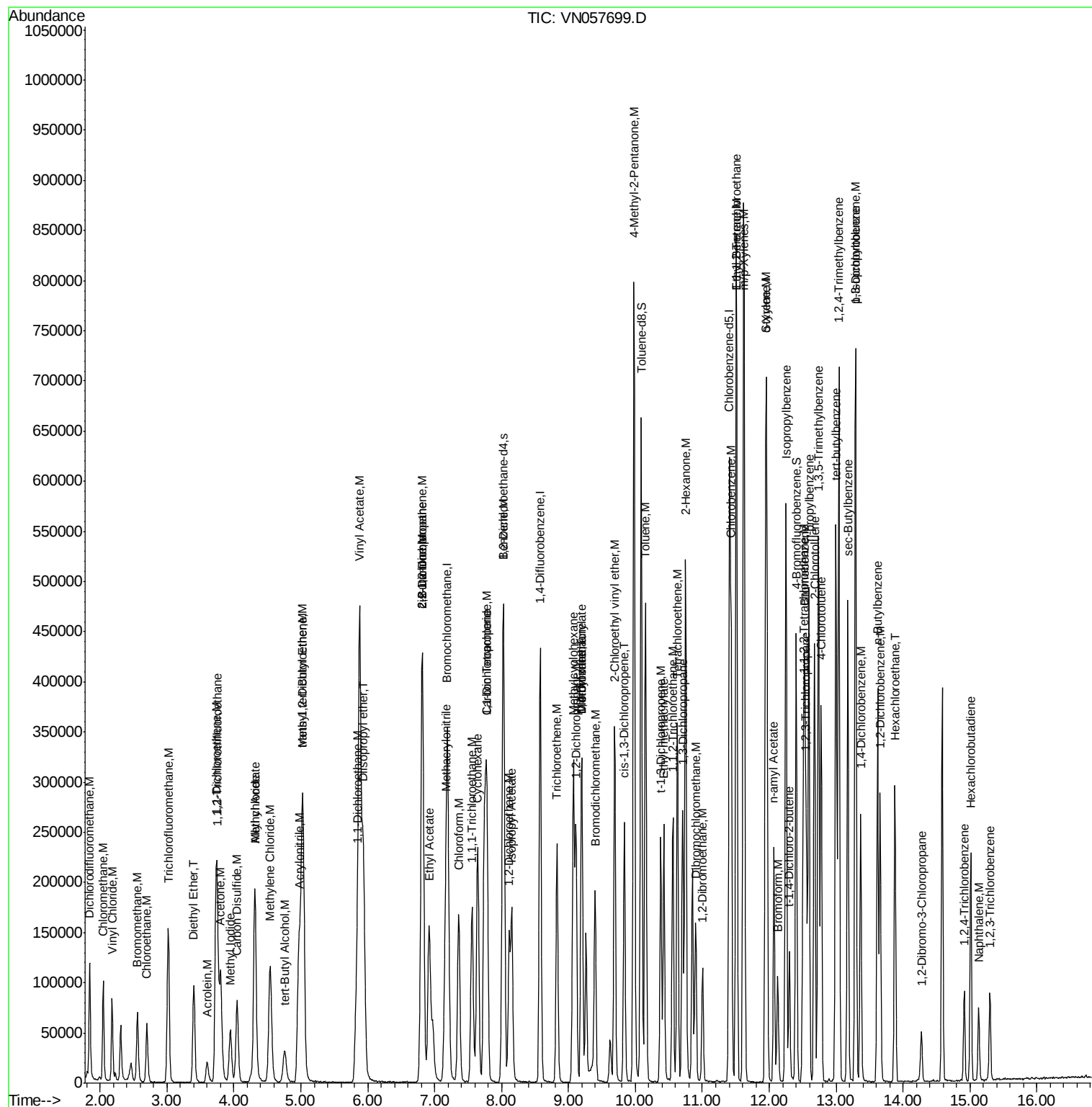
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 Data File : VN057699.D
 Acq On : 5 Sep 2019 12:31
 Operator : JC/SP
 Sample : VN0905WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

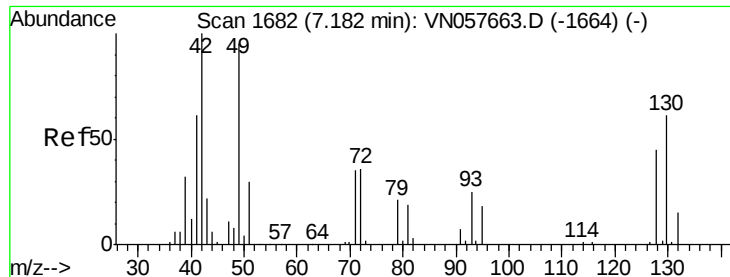
Instrument :
 MSVOA_N
 Client Sample Id :
 VN0905WBSD01

Manual Integrations
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Quant Time: Sep 06 01:44:26 2019
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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: VN057699.D

Acq: 5 Sep 2019 12:31

Instrument :

MSVOA_N

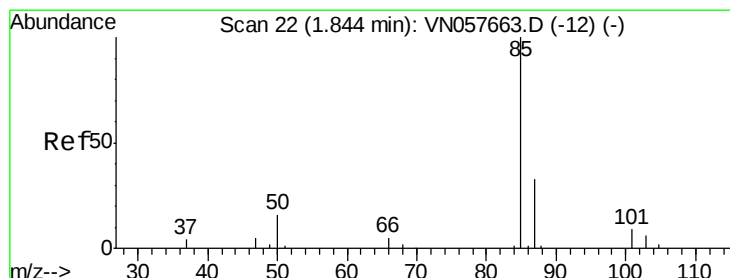
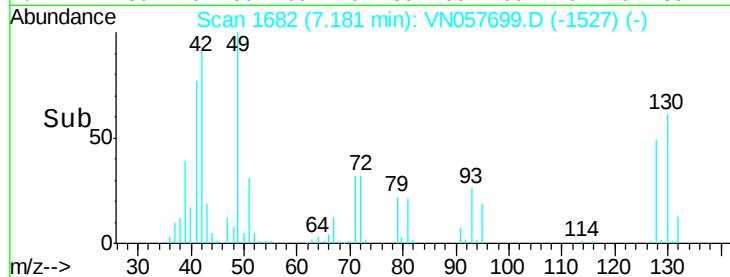
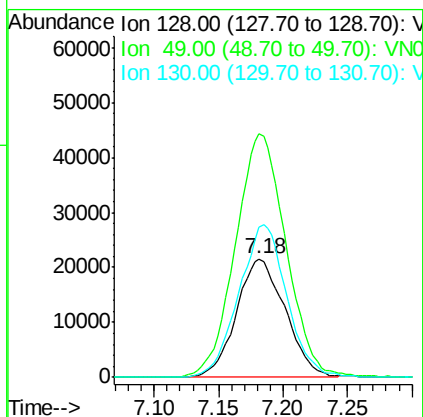
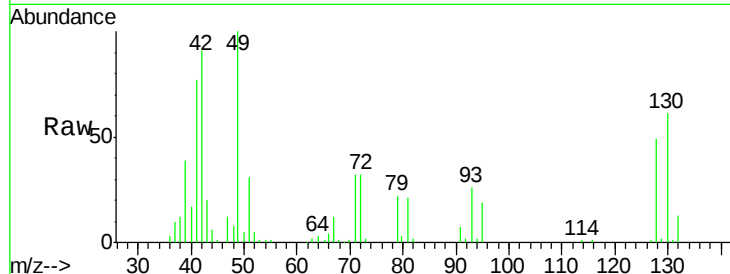
ClientSampleId :

VN0905WBSD01

Tot Ion:	128	Resp:	56890
Ion	Ratio	Lower	Upper
128	100		
49	212.1	0.0	544.5
130	126.6	0.0	324.7

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 20.901 ug/l

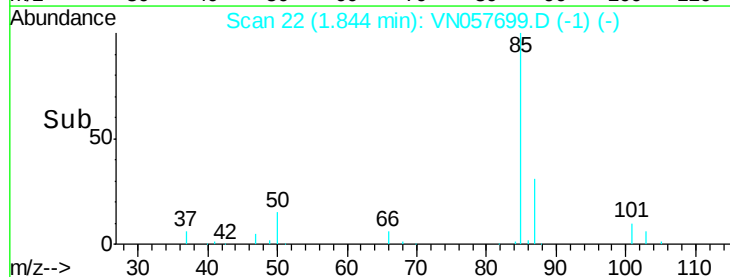
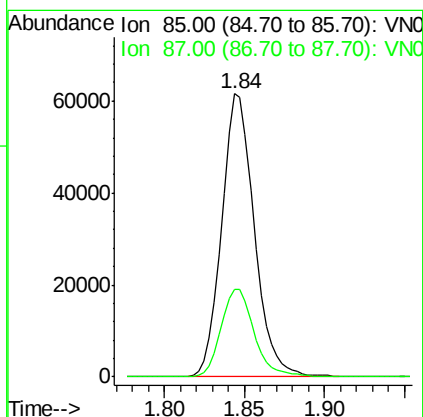
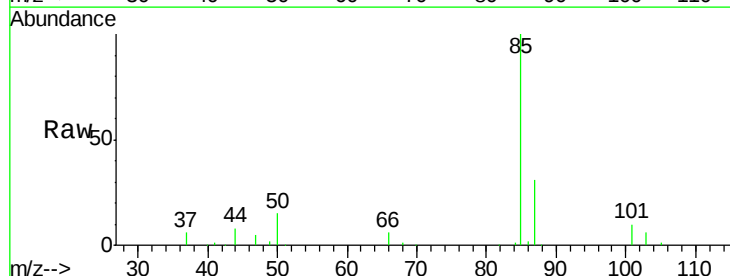
RT: 1.84 min Scan# 22

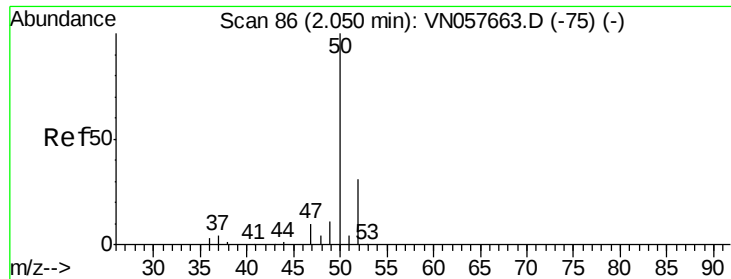
Delta R.T. -0.00 min

Lab File: VN057699.D

Acq: 5 Sep 2019 12:31

Tgt Ion:	85	Resp:	85667
Ion	Ratio	Lower	Upper
85	100		
87	31.1	16.6	49.7





#3

Chloromethane

Concen: 18.341 ug/l

RT: 2.05 min Scan# 85

Delta R.T. -0.00 min

Lab File: VN057699.D

Acq: 5 Sep 2019 12:31

Instrument :

MSVOA_N

ClientSampleId :

VN0905WBSD01

Tot Ion: 50 Resp: 79274

Ion Ratio Lower Upper

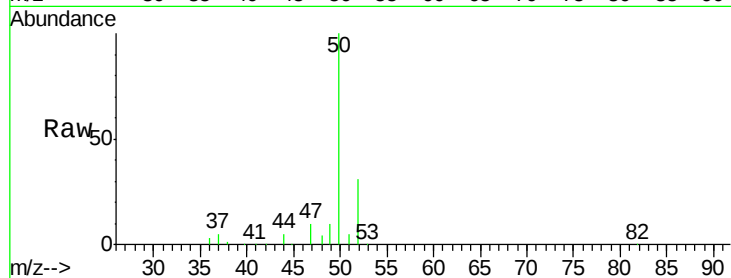
50 100

52 31.0 25.2 37.8

Manual Integrations
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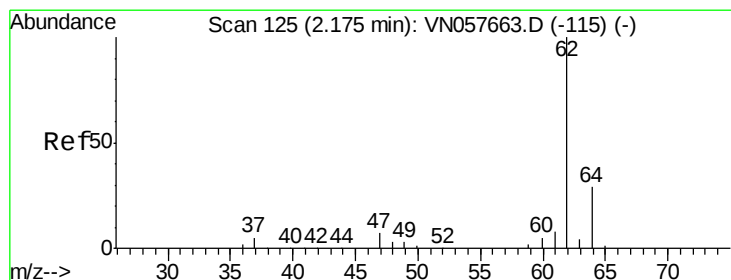
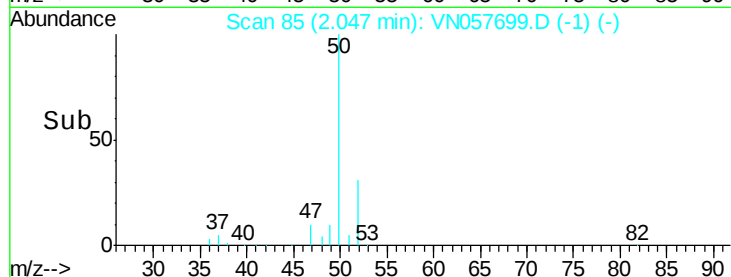
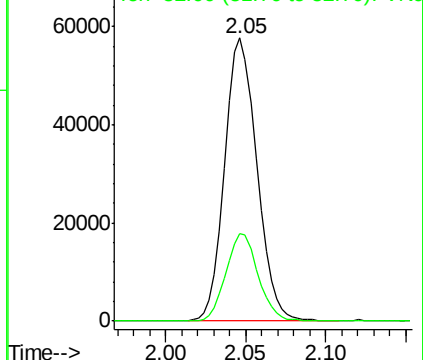
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Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#4

Vinyl Chloride

Concen: 20.354 ug/l

RT: 2.18 min Scan# 126

Delta R.T. 0.00 min

Lab File: VN057699.D

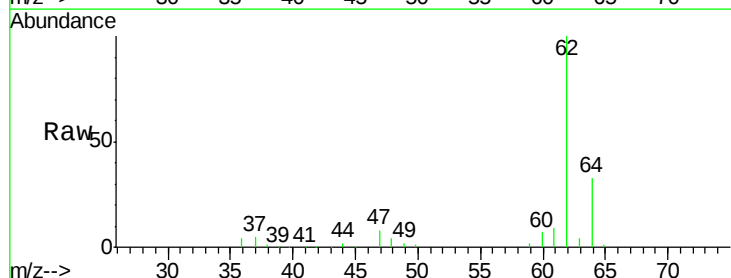
Acq: 5 Sep 2019 12:31

Tgt Ion: 62 Resp: 71943

Ion Ratio Lower Upper

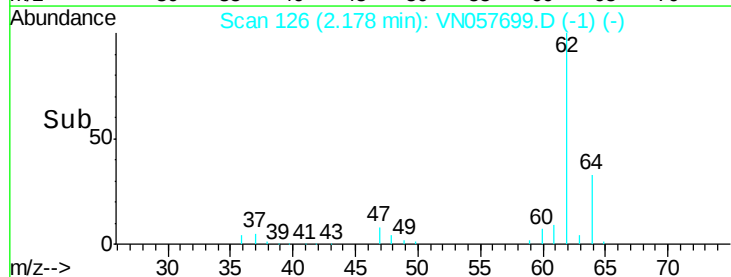
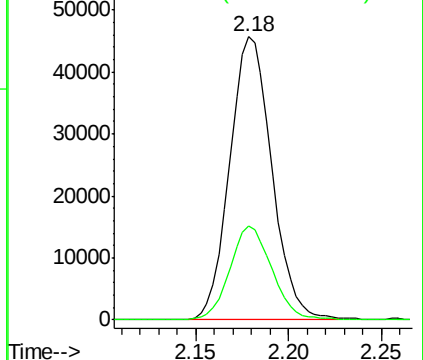
62 100

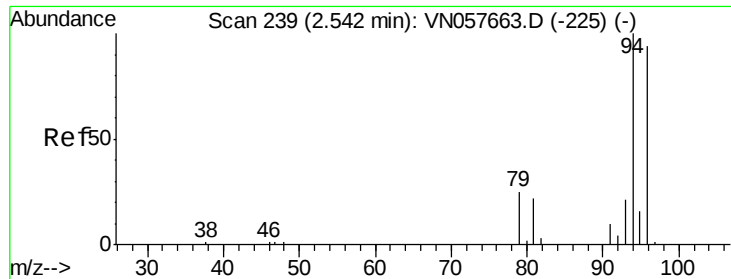
64 33.0 23.2 34.8



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0





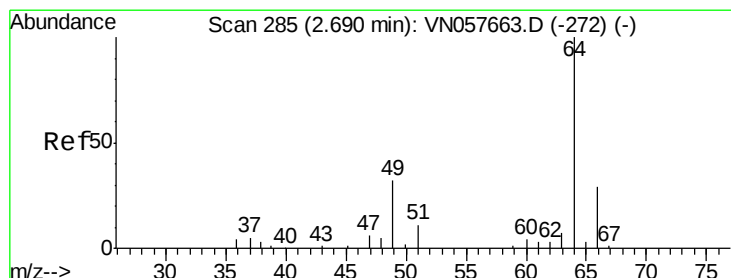
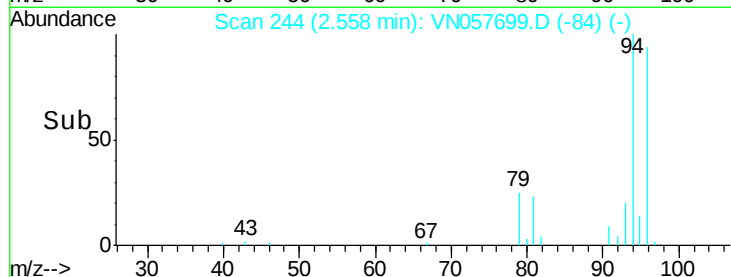
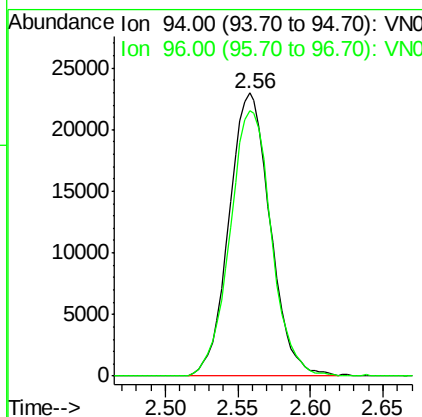
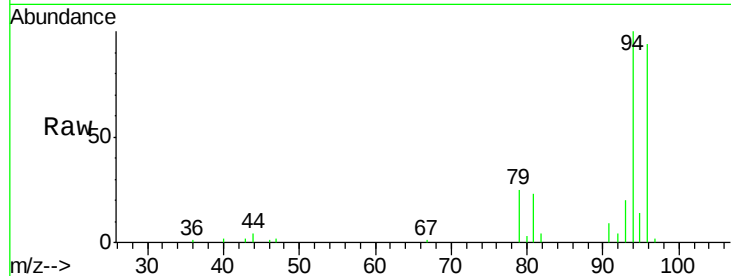
#5
Bromomethane
Concen: 20.044 ug/l
RT: 2.56 min Scan# 244
Delta R.T. 0.02 min
Lab File: VN057699.D
Acq: 5 Sep 2019 12:31

Instrument :
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Tot Ion: 94 Resp: 45292
Ion Ratio Lower Upper
94 100
96 93.8 75.6 113.4

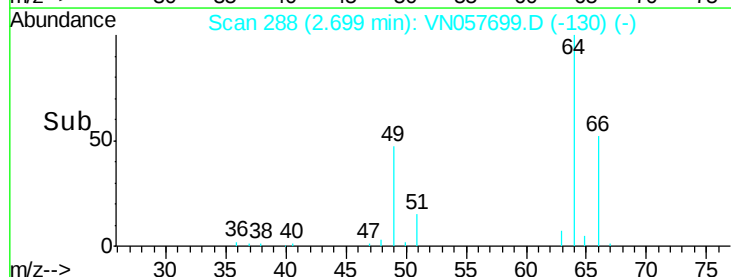
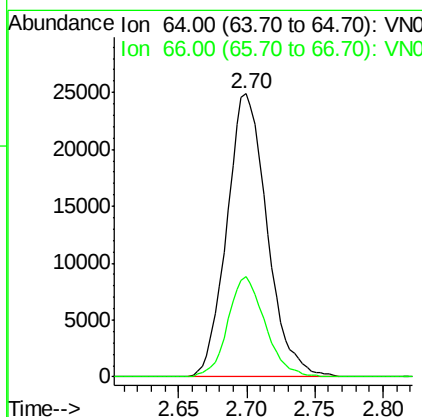
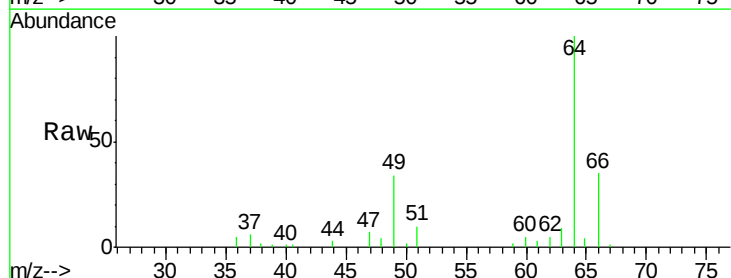
Manual Integrations
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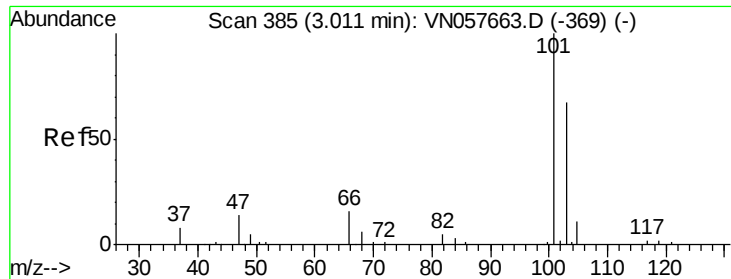
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#6
Chloroethane
Concen: 19.777 ug/l
RT: 2.70 min Scan# 288
Delta R.T. 0.01 min
Lab File: VN057699.D
Acq: 5 Sep 2019 12:31

Tgt Ion: 64 Resp: 51044
Ion Ratio Lower Upper
64 100
66 35.4 23.5 35.3#





#7

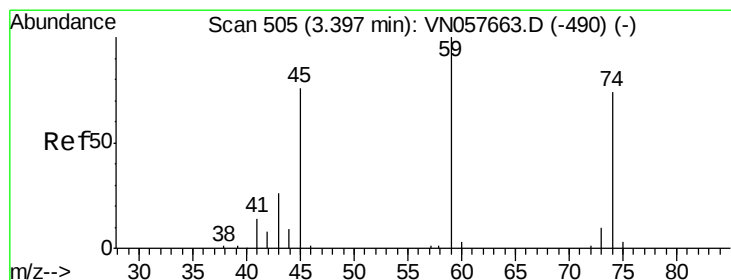
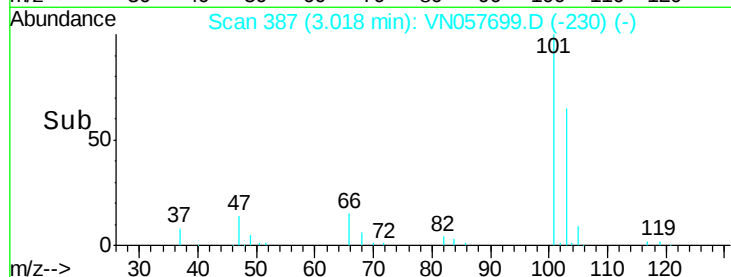
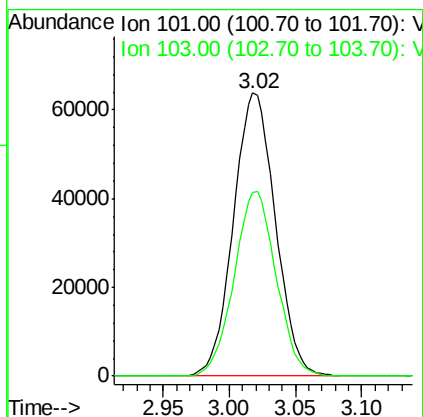
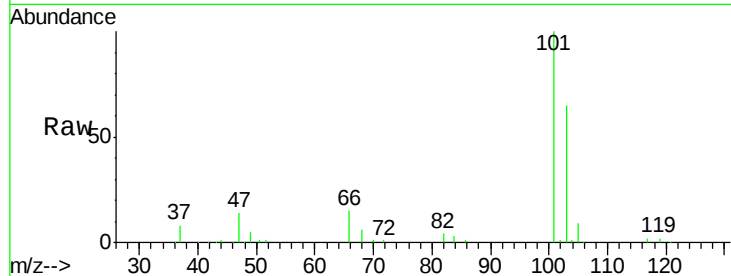
Trichlorofluoromethane
Concen: 20.771 ug/l
RT: 3.02 min Scan# 387
Delta R.T. 0.01 min
Lab File: VN057699.D
Acq: 5 Sep 2019 12:31

Instrument :
MSVOA_N
ClientSampleId :
VN0905WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.9	53.6	80.4

Manual Integrations
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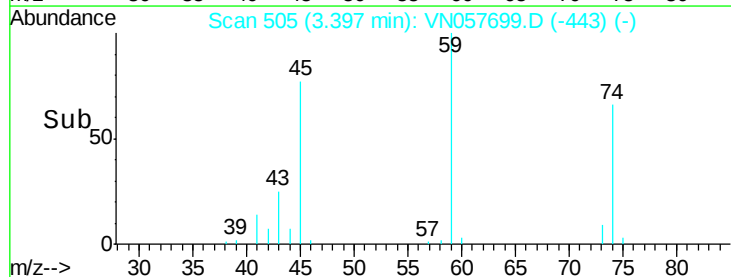
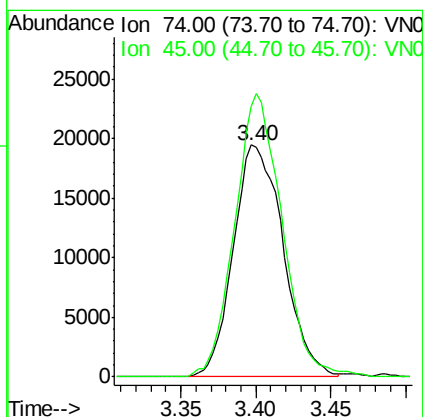
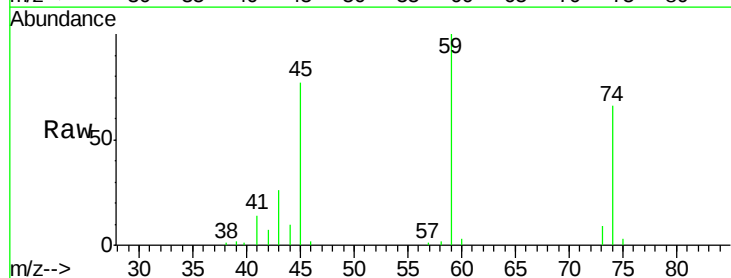
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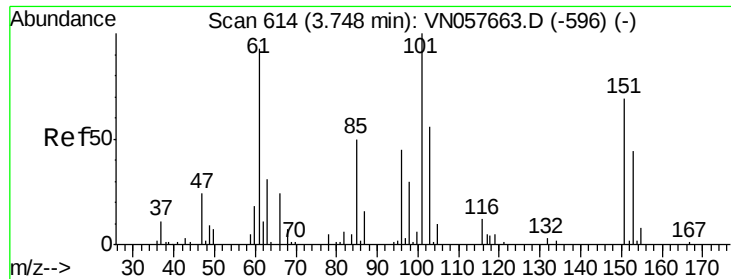


#8

Diethyl Ether
Concen: 20.220 ug/l
RT: 3.40 min Scan# 505
Delta R.T. -0.00 min
Lab File: VN057699.D
Acq: 5 Sep 2019 12:31

Tgt Ion	Ratio	Lower	Upper
74	100		
45	115.3	22.9	205.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.844 ug/l

RT: 3.76 min Scan# 617

Delta R.T. 0.01 min

Lab File: VN057699.D

Acq: 5 Sep 2019 12:31

Instrument :

MSVOA_N

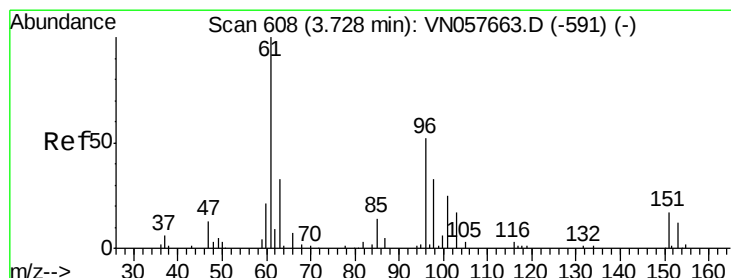
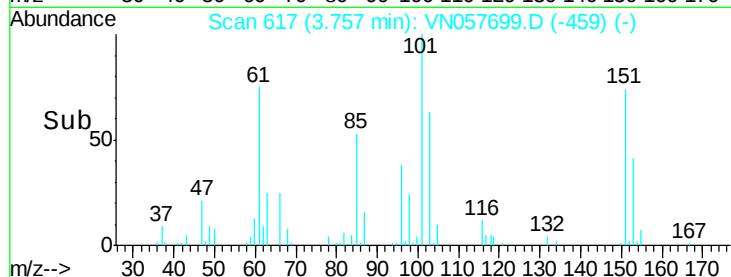
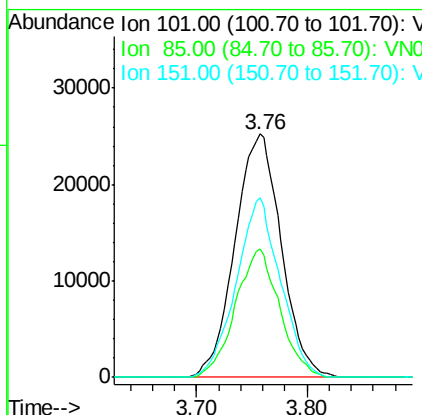
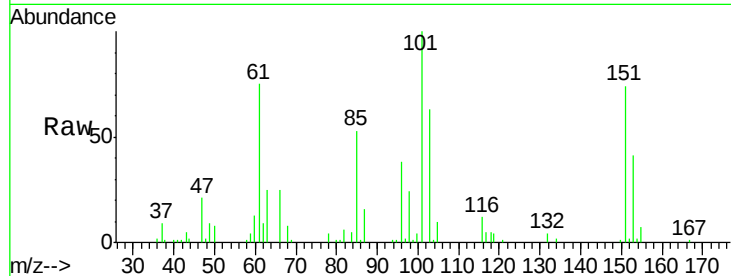
ClientSampleId :

VN0905WBSD01

Tot Ion:	101	Resp:	73331
Ion Ratio	Lower	Upper	
101	100		
85	50.3	0.0	100.2
151	70.3	0.0	140.6

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#10

1,1-Dichloroethene

Concen: 20.891 ug/l

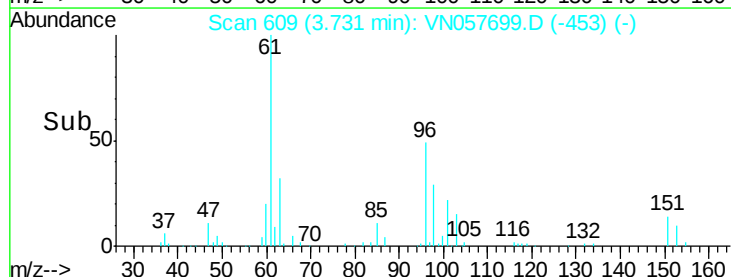
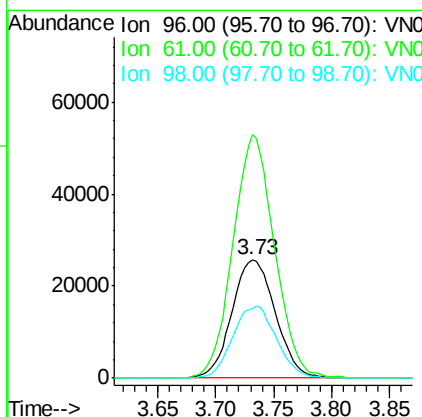
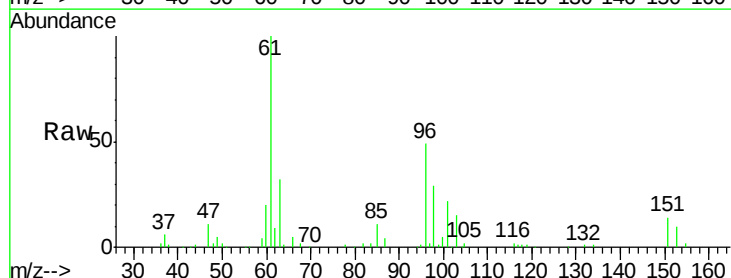
RT: 3.73 min Scan# 609

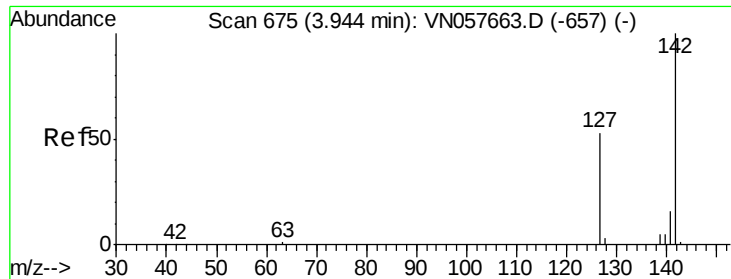
Delta R.T. 0.00 min

Lab File: VN057699.D

Acq: 5 Sep 2019 12:31

Tgt Ion:	96	Resp:	67051
Ion Ratio	Lower	Upper	
96	100		
61	205.4	152.9	229.3
98	59.0	51.0	76.4





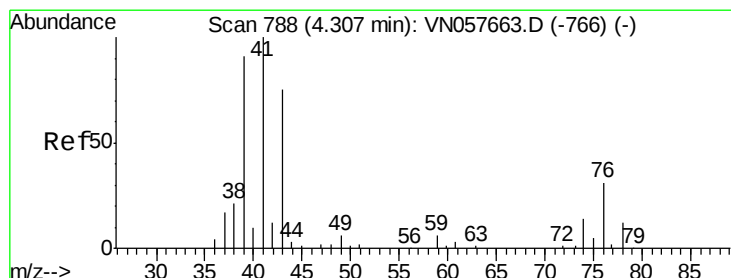
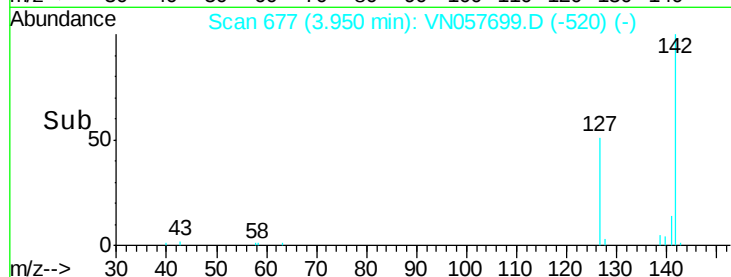
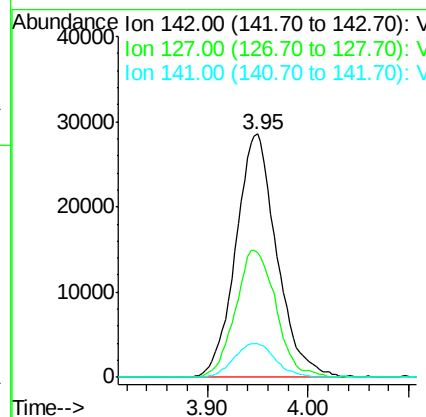
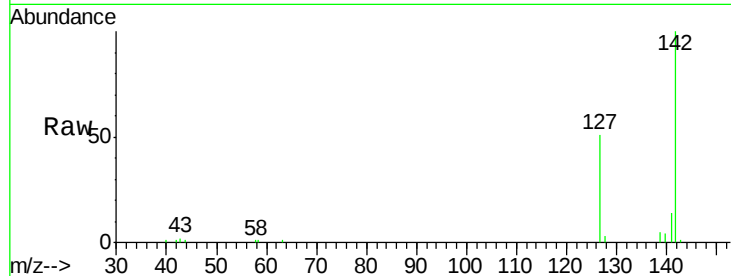
#11
Methyl Iodide
Concen: 18.116 ug/l
RT: 3.95 min Scan# 677
Delta R.T. 0.01 min
Lab File: VN057699.D
Acq: 5 Sep 2019 12:31

Instrument :
MSVOA_N
ClientSampleId :
VN0905WBSD01

Tot Ion	Ratio	Lower	Upper
142	100		
127	51.1	26.2	78.5
141	13.4	7.6	22.9

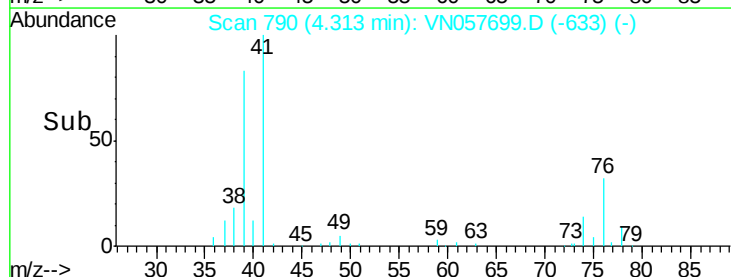
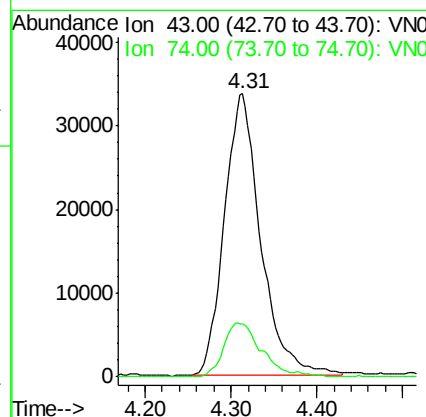
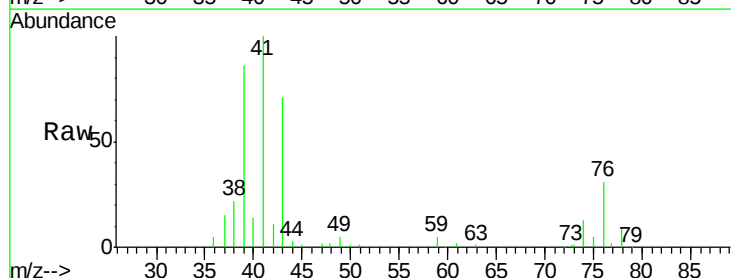
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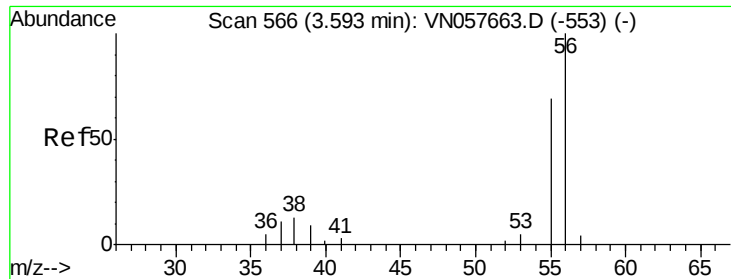
MMDadoda
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#12
Methyl Acetate
Concen: 20.540 ug/l
RT: 4.31 min Scan# 790
Delta R.T. 0.01 min
Lab File: VN057699.D
Acq: 5 Sep 2019 12:31

Tgt Ion	Ratio	Lower	Upper
43	100		
74	18.8	14.6	22.0





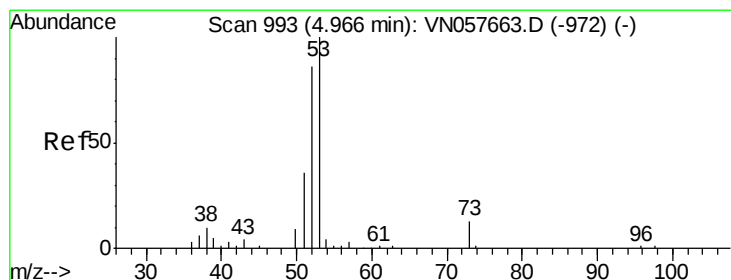
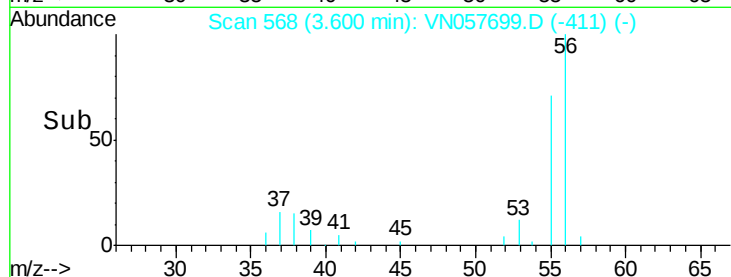
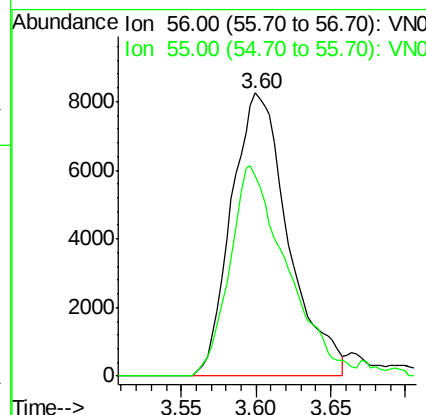
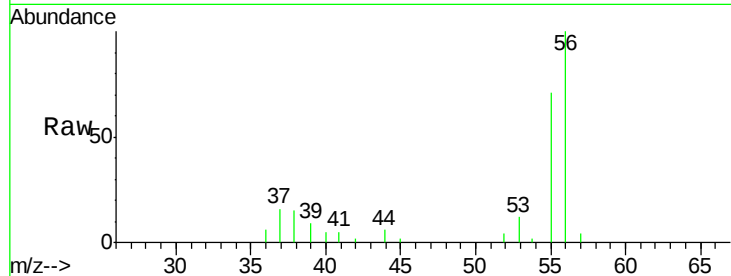
#13
 Acrolein
 Concen: 80.502 ug/l
 RT: 3.60 min Scan# 568
 Delta R.T. 0.01 min
 Lab File: VN057699.D
 Acq: 5 Sep 2019 12:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0905WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
56	100		21888		
55	74.3	54.2		81.4	

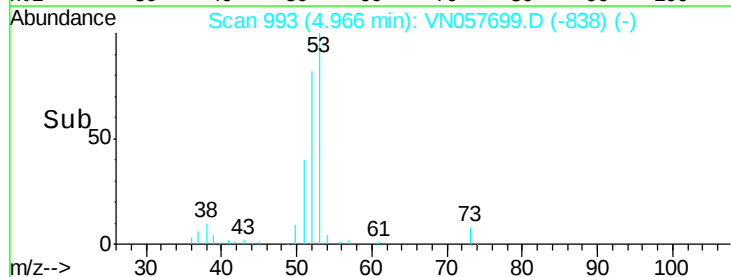
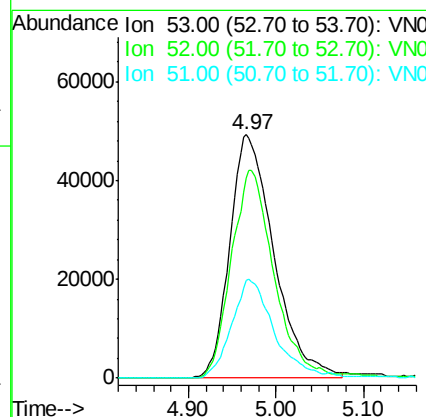
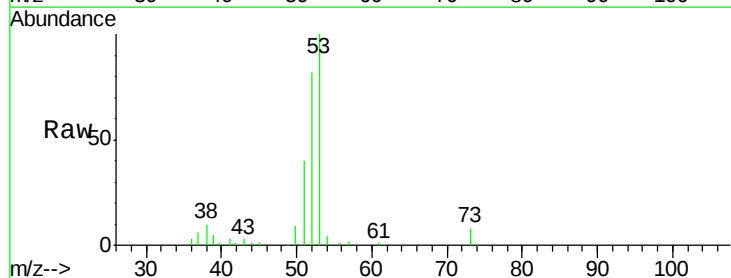
Manual Integrations
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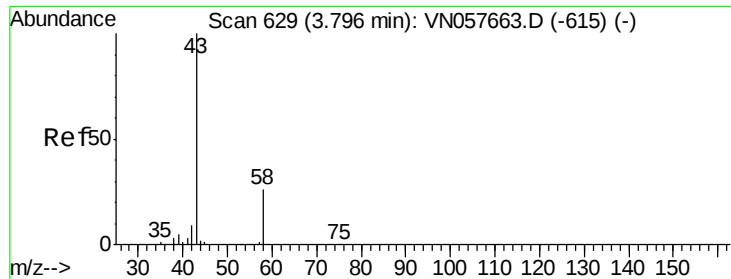
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#14
 Acrylonitrile
 Concen: 98.917 ug/l
 RT: 4.97 min Scan# 993
 Delta R.T. -0.00 min
 Lab File: VN057699.D
 Acq: 5 Sep 2019 12:31

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
53	100		172511		
52	81.1	41.9		125.7	
51	38.5	19.4		58.2	





#15

Acetone

Concen: 89.507 ug/l

RT: 3.80 min Scan# 631

Delta R.T. 0.01 min

Lab File: VN057699.D

Acq: 5 Sep 2019 12:31

Instrument :

MSVOA_N

ClientSampleId :

VN0905WBSD01

Tot Ion: 58 Resp: 43786

Ion Ratio Lower Upper

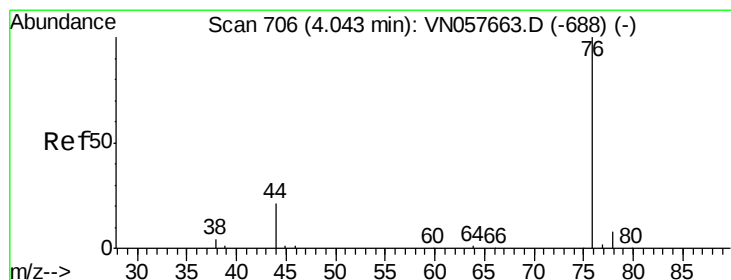
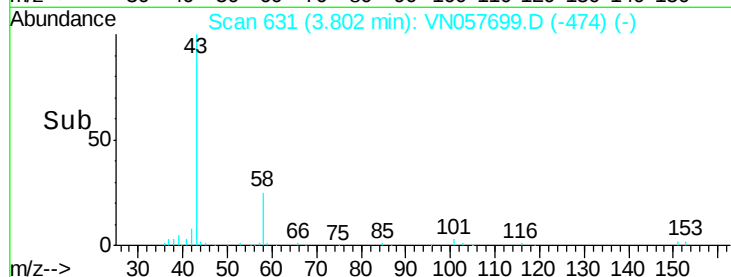
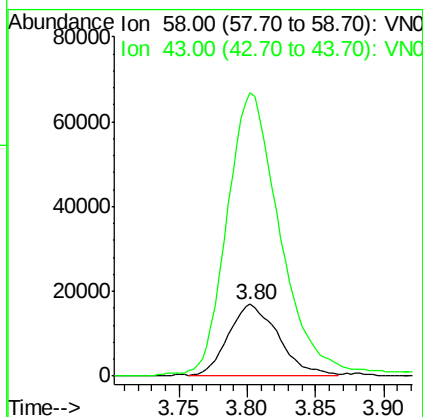
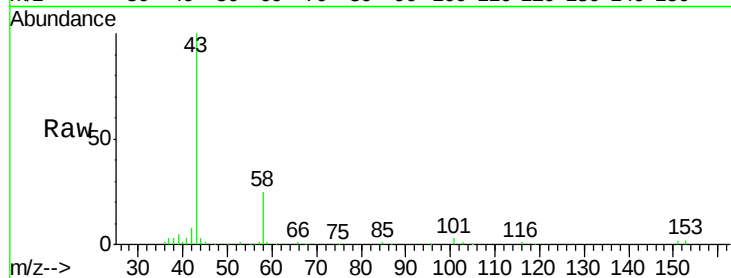
58 100

43 391.9 308.8 463.2

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#16

Carbon Disulfide

Concen: 18.750 ug/l

RT: 4.05 min Scan# 707

Delta R.T. 0.00 min

Lab File: VN057699.D

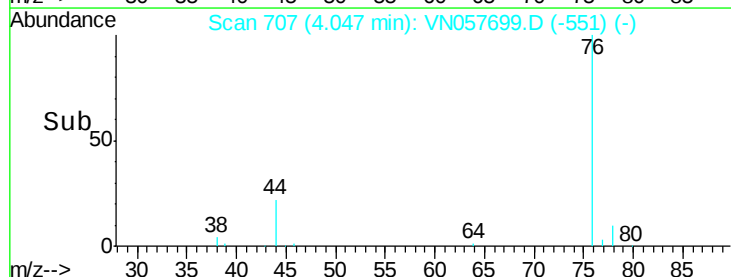
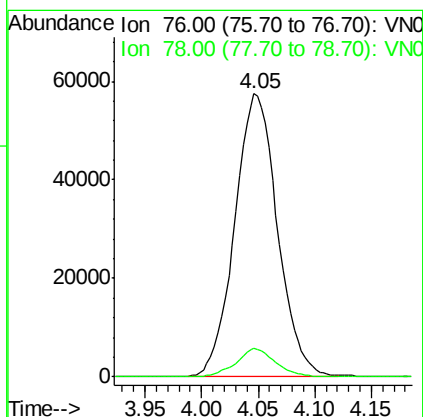
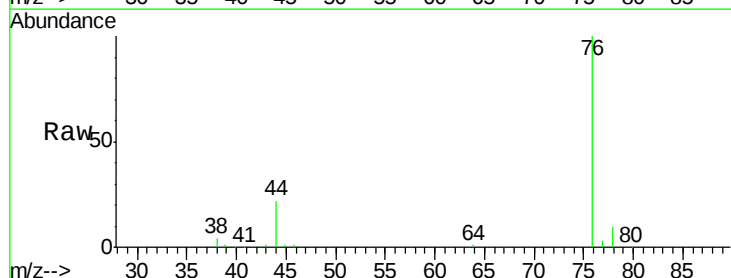
Acq: 5 Sep 2019 12:31

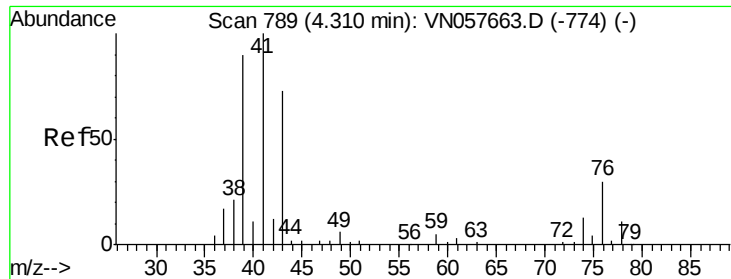
Tgt Ion: 76 Resp: 151171

Ion Ratio Lower Upper

76 100

78 9.9 6.8 10.2





#17

Allvl chloride

Concen: 21.054 ug/l

RT: 4.32 min Scan# 791

Delta R.T. 0.01 min

Lab File: VN057699.D

Acq: 5 Sep 2019 12:31

Instrument :

MSVOA_N

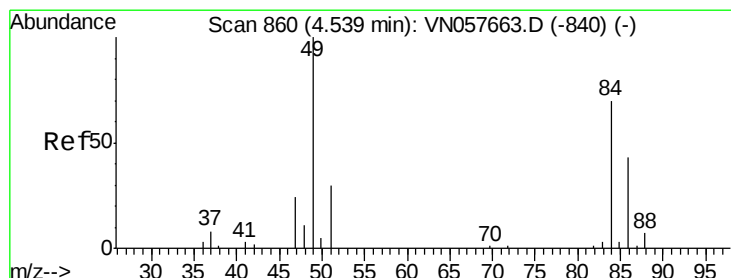
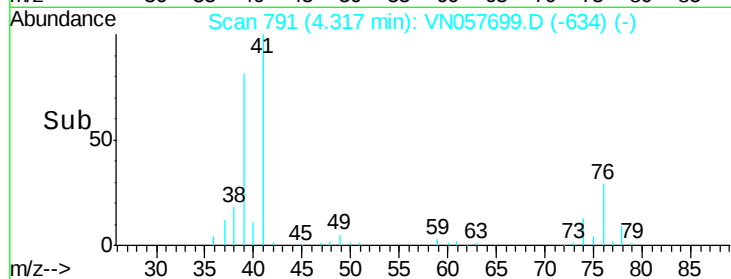
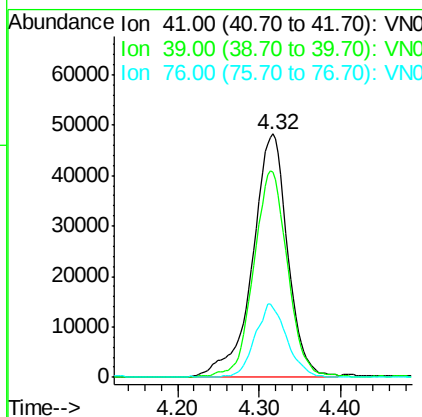
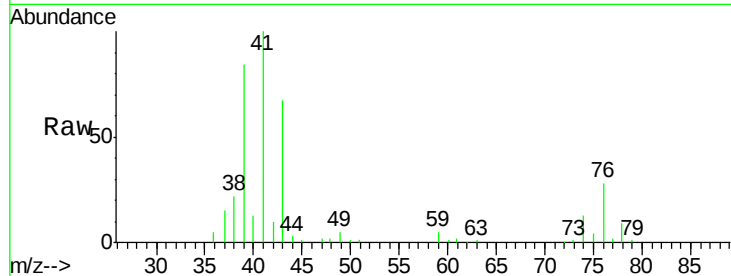
ClientSampleId :

VN0905WBSD01

Tot Ion:	41	Resp:	144319
Ion	Ratio	Lower	Upper
41	100		
39	84.4	43.0	128.8
76	27.9	14.2	42.8

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#18

Methylene Chloride

Concen: 19.451 ug/l

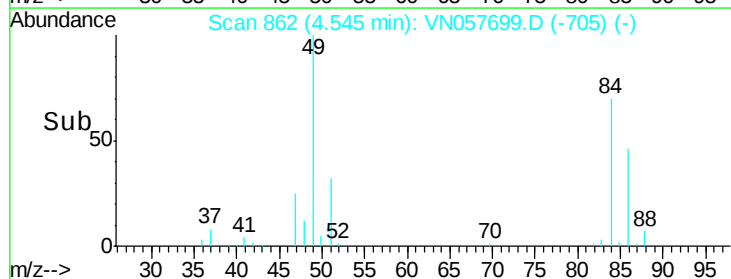
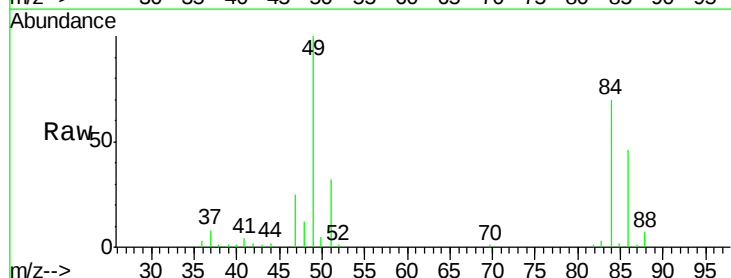
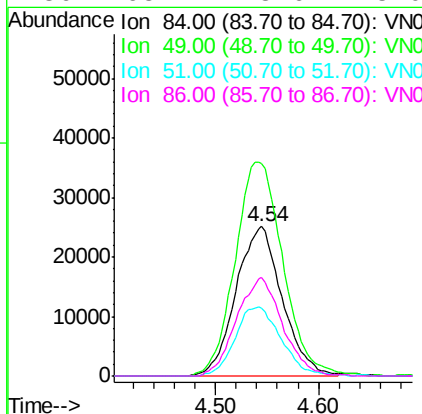
RT: 4.54 min Scan# 862

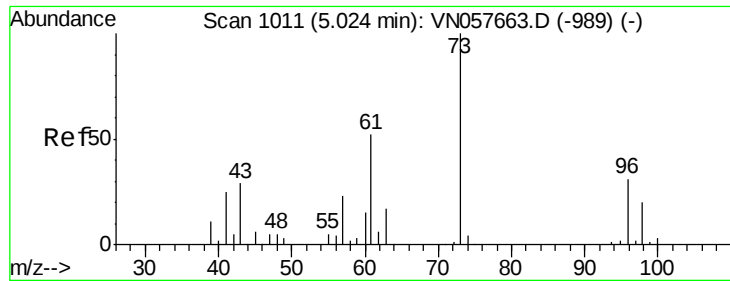
Delta R.T. 0.01 min

Lab File: VN057699.D

Acq: 5 Sep 2019 12:31

Tgt Ion:	84	Resp:	78230
Ion	Ratio	Lower	Upper
84	100		
49	142.1	113.7	170.5
51	45.8	34.5	51.7
86	65.7	48.6	73.0





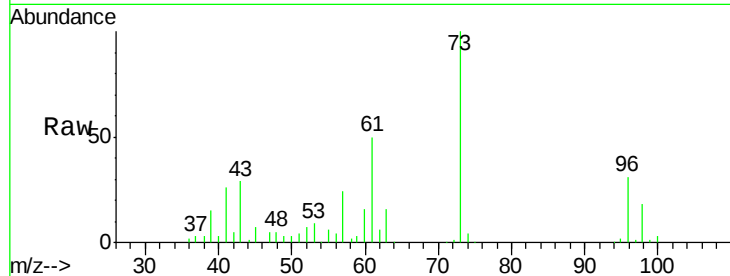
#19
trans-1,2-Dichloroethene
Concen: 20.446 ug/l
RT: 5.03 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VN057699.D
Acq: 5 Sep 2019 12:31

Instrument :
MSVOA_N
ClientSampleId :
VN0905WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	162.0	133.4	200.0
98	59.3	50.4	75.6

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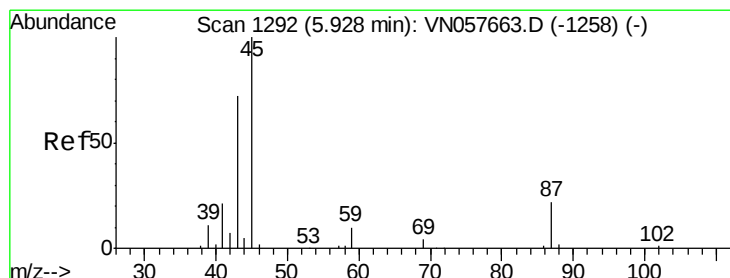
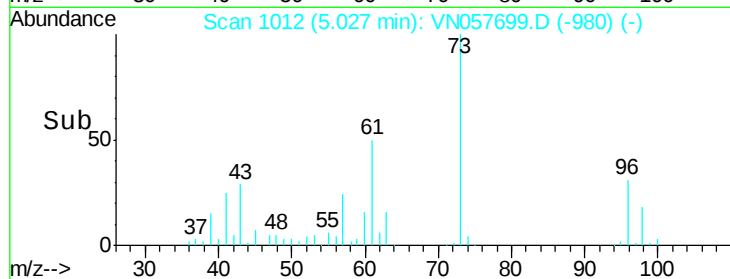
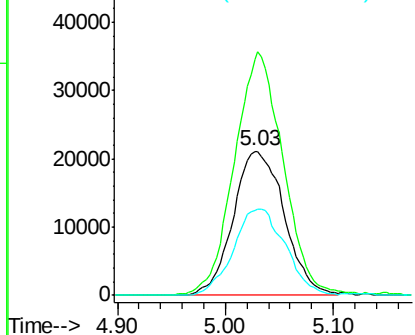


Abundance

Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#20
Diisopropyl ether
Concen: 20.232 ug/l
RT: 5.93 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VN057699.D
Acq: 5 Sep 2019 12:31

Tgt Ion	Ratio	Lower	Upper
45	100		
43	80.6	58.3	87.5
87	23.6	18.5	27.7
59	10.2	7.7	11.5

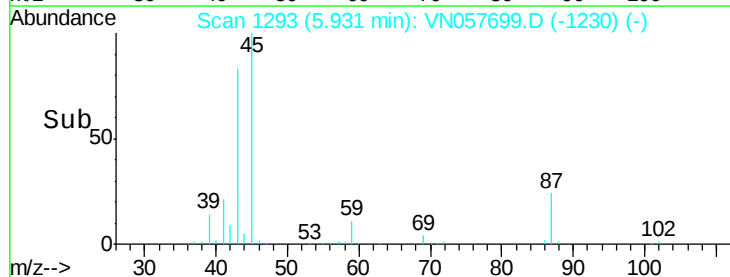
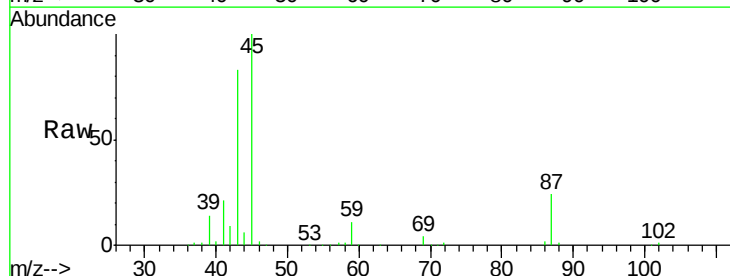
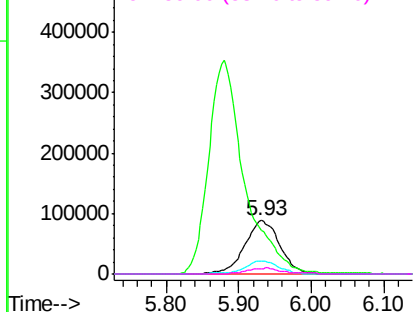
Abundance

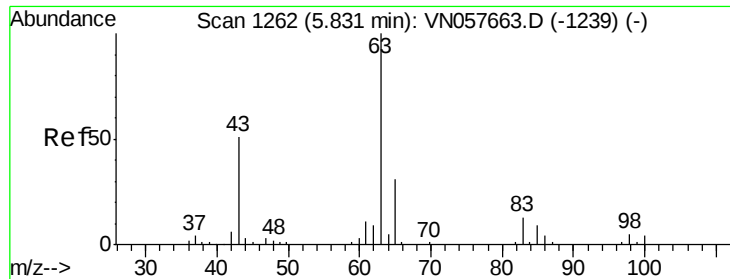
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





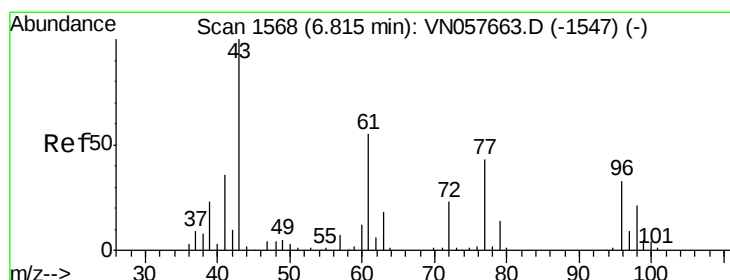
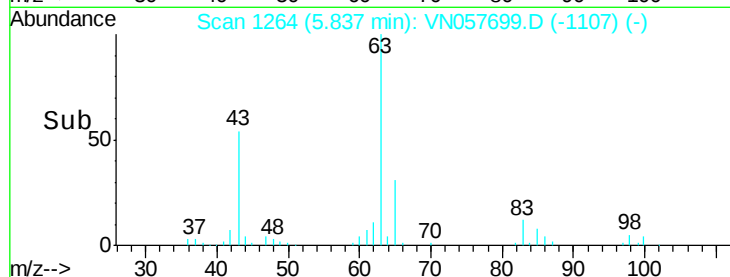
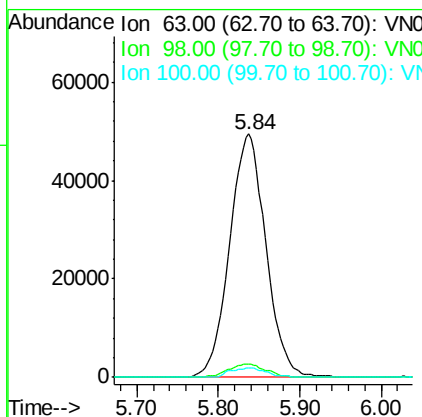
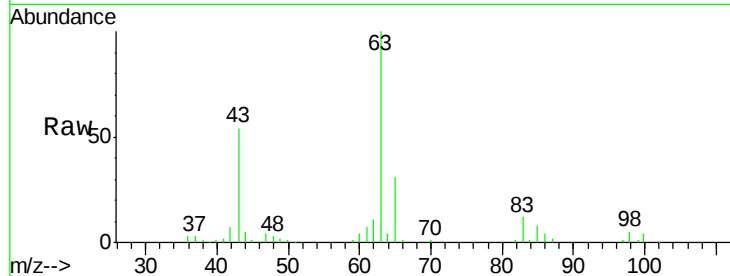
#21
 1,1-Dichloroethane
 Concen: 20.095 ug/l
 RT: 5.84 min Scan# 1264
 Delta R.T. 0.01 min
 Lab File: VN057699.D
 Acq: 5 Sep 2019 12:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0905WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
63	100			
98	5.4	2.6	7.8	
100	4.0	1.8	5.5	

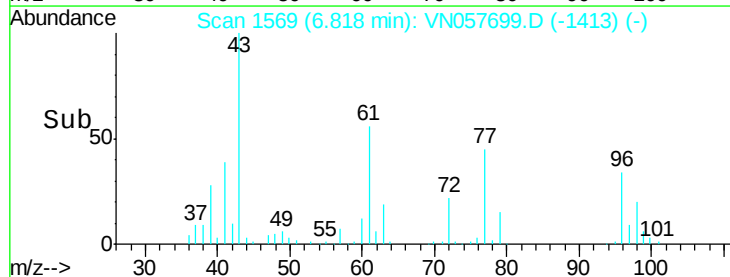
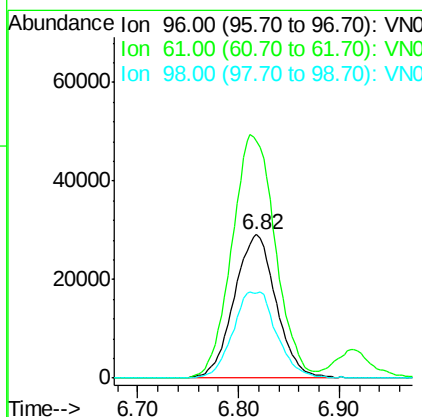
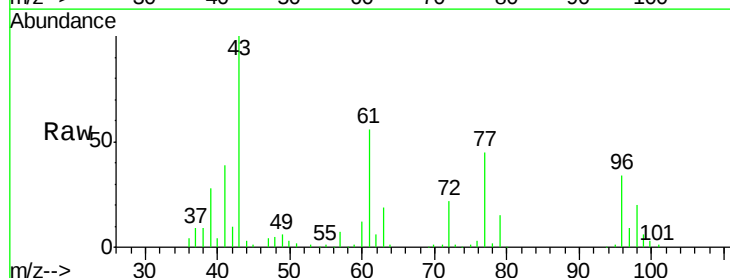
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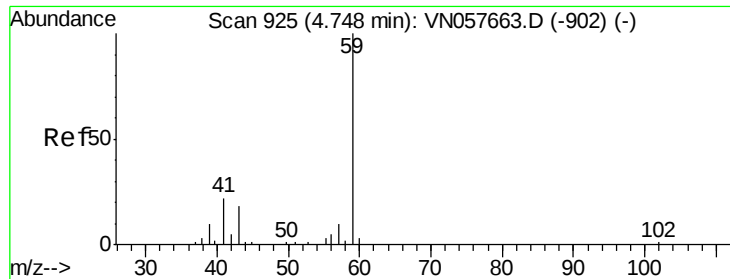
MMDadoda
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#22
 cis-1,2-Dichloroethene
 Concen: 20.294 ug/l
 RT: 6.82 min Scan# 1569
 Delta R.T. 0.00 min
 Lab File: VN057699.D
 Acq: 5 Sep 2019 12:31

Tgt Ion	Ratio	Resp	Lower	Upper
96	100			
61	175.2	137.2	205.8	
98	35.5	50.5	75.7#	





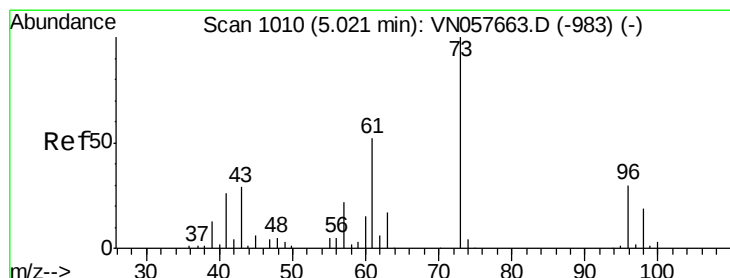
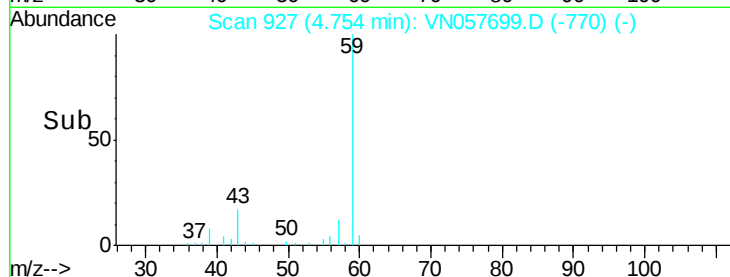
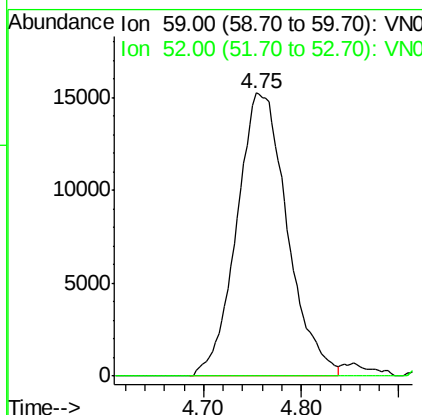
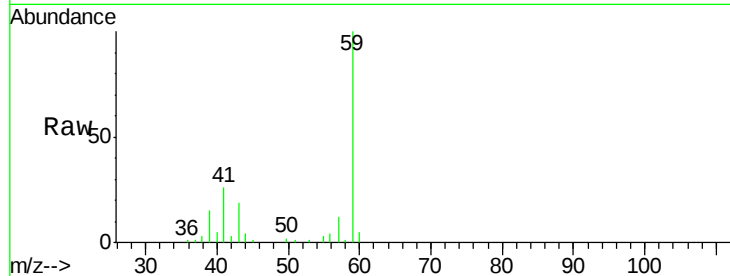
#23
tert-Butyl Alcohol
Concen: 86.433 ug/l m
RT: 4.75 min Scan# 927
Delta R.T. 0.01 min
Lab File: VN057699.D
Acq: 5 Sep 2019 12:31

Instrument :
MSVOA_N
ClientSampleId :
VN0905WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.0	0.0

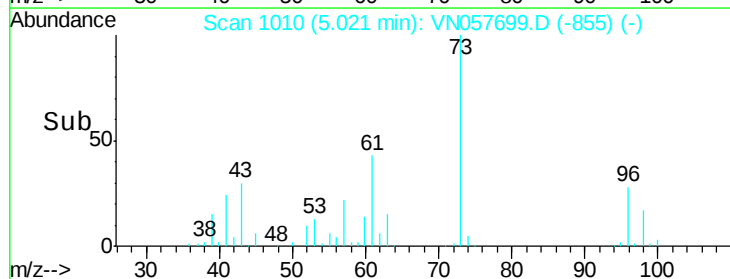
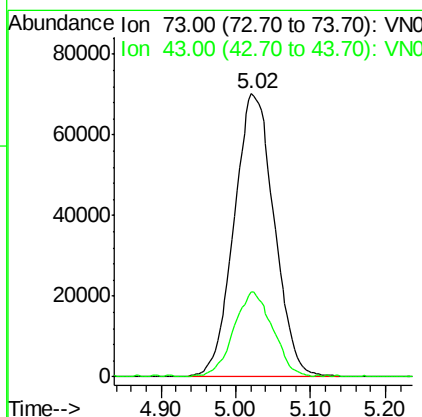
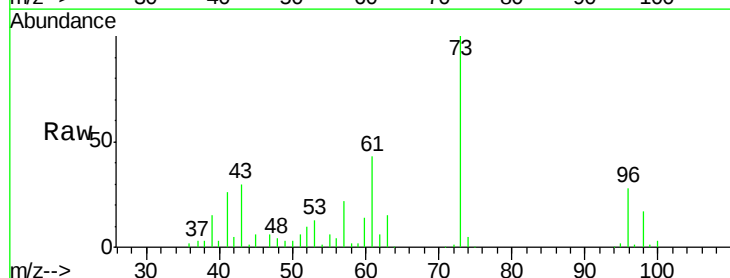
Manual Integrations
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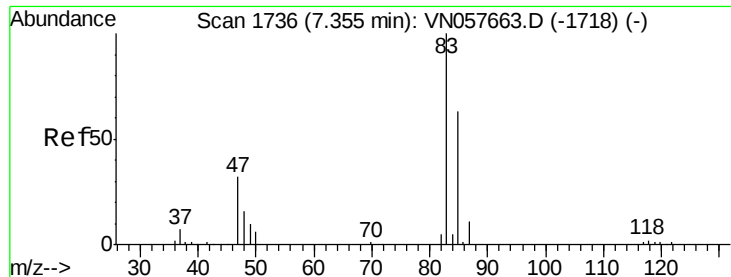
MMDadoda
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#24
Methyl tert-Butyl Ether
Concen: 20.535 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. -0.00 min
Lab File: VN057699.D
Acq: 5 Sep 2019 12:31

Tgt Ion	Ratio	Lower	Upper
73	100		
43	29.0	23.2	34.8





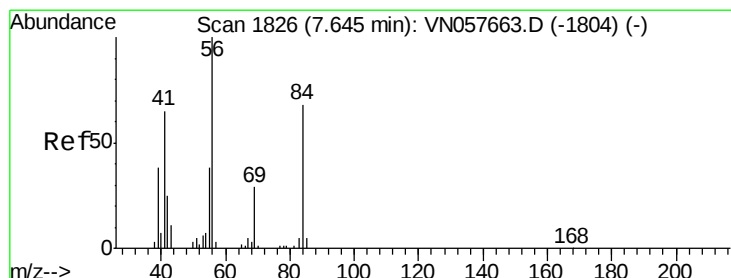
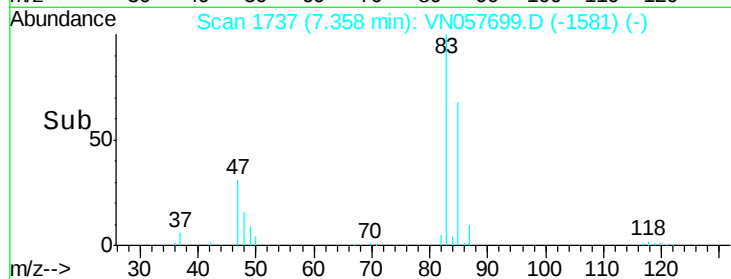
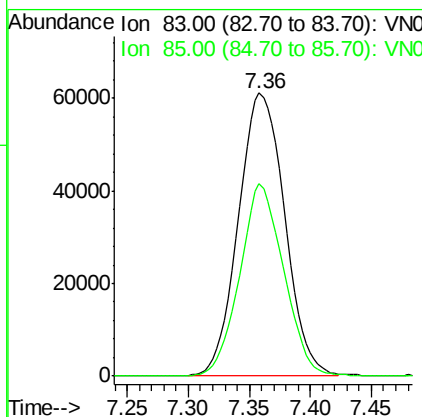
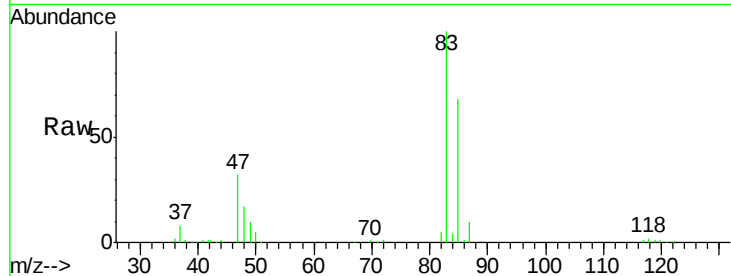
#25
Chloroform
Concen: 20.381 ug/l
RT: 7.36 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VN057699.D
Acq: 5 Sep 2019 12:31

Instrument :
MSVOA_N
ClientSampleId :
VN0905WBSD01

Tot Ion	83	Resp	160847
Ion Ratio	100	Lower	Upper
83	100		
85	68.0	50.8	76.2

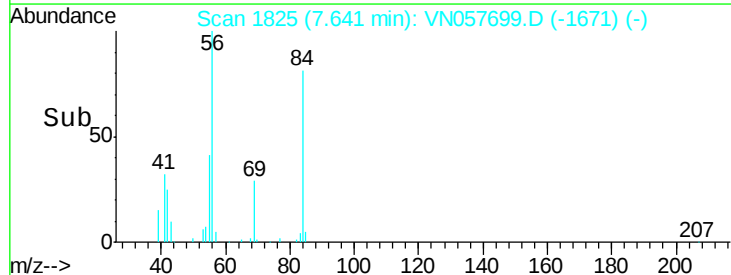
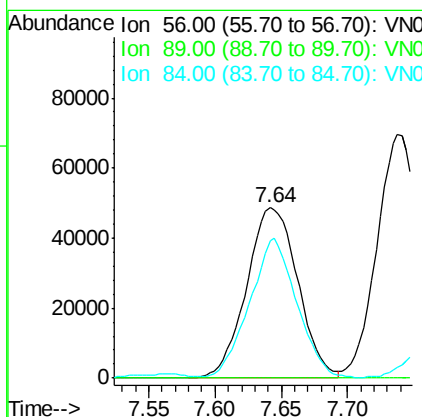
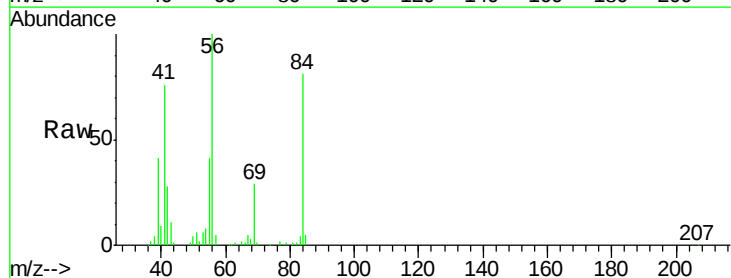
Manual Integrations
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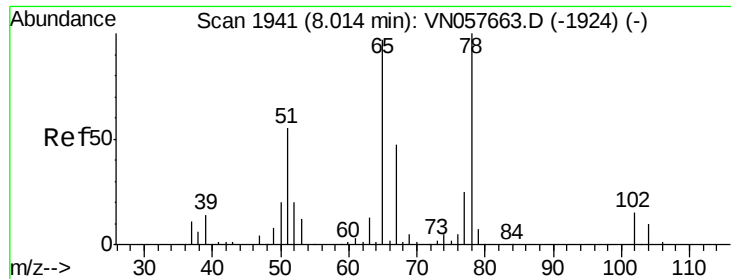
MMDadoda
9/6/2019 8:26:27 AM



#26
Cyclohexane
Concen: 20.261 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. -0.00 min
Lab File: VN057699.D
Acq: 5 Sep 2019 12:31

Tgt Ion	56	Resp	131351
Ion Ratio	100	Lower	Upper
56	100		
89	0.0	0.0	0.0
84	74.8	60.4	90.6





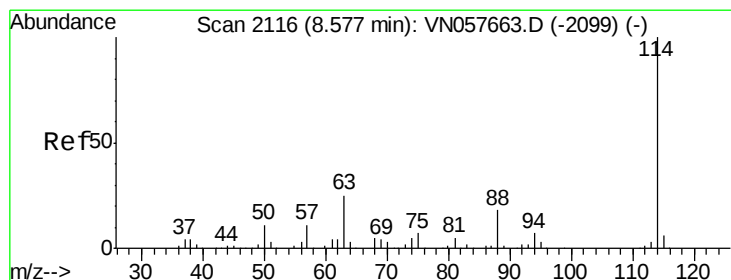
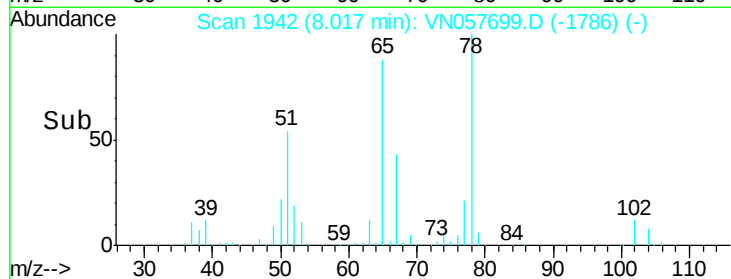
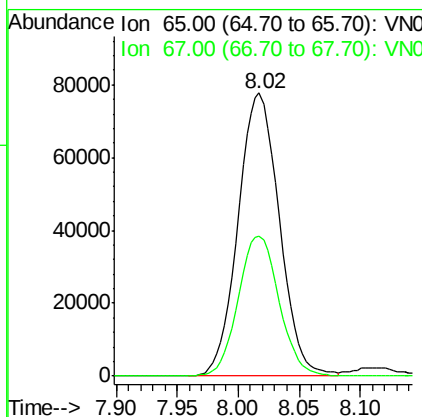
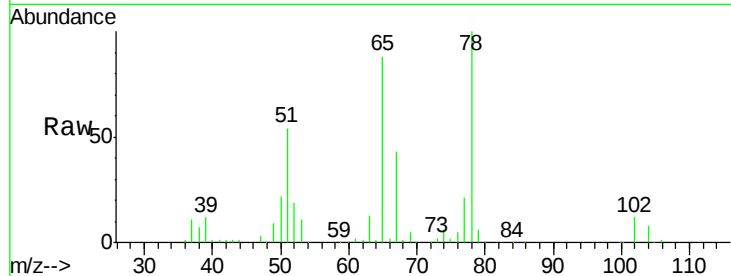
#27
 1,2-Dichloroethane-d4
 Concen: 30.096 ug/l
 RT: 8.02 min Scan# 1942
 Delta R.T. 0.00 min
 Lab File: VN057699.D
 Acq: 5 Sep 2019 12:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0905WBSD01

Tot Ion: 65 Resp: 182007
 Ion Ratio Lower Upper
 65 100
 67 48.9 38.6 57.8

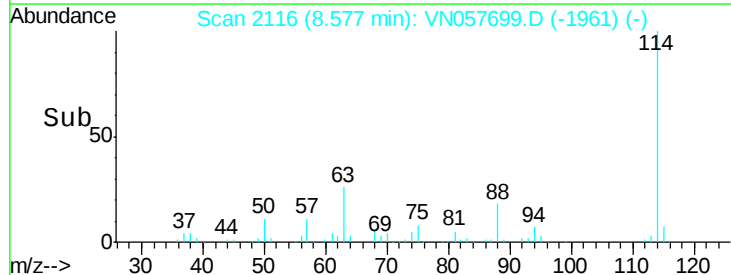
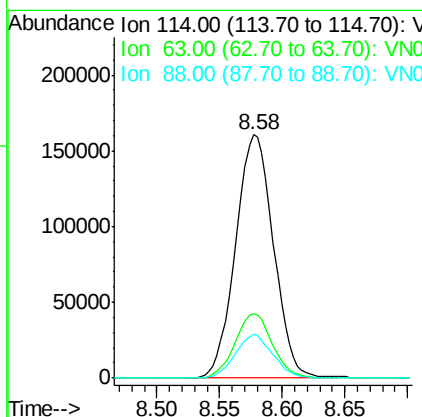
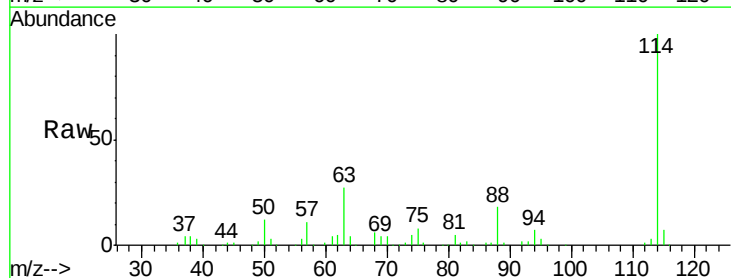
Manual Integrations
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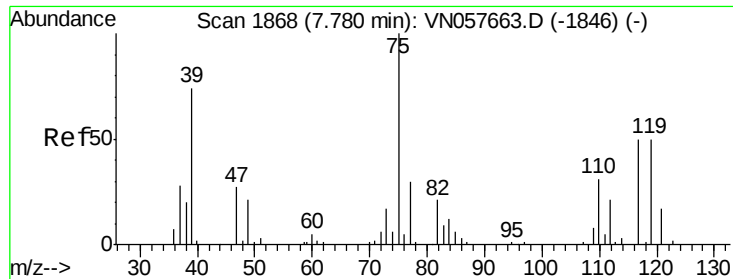
MMDadoda
 9/6/2019 8:26:27 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. -0.00 min
 Lab File: VN057699.D
 Acq: 5 Sep 2019 12:31

Tgt Ion: 114 Resp: 337783
 Ion Ratio Lower Upper
 114 100
 63 26.3 20.6 30.8
 88 17.7 14.3 21.5





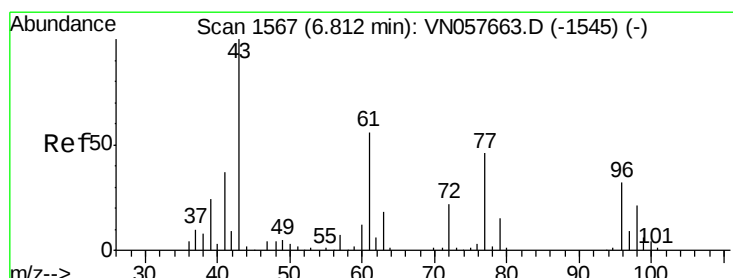
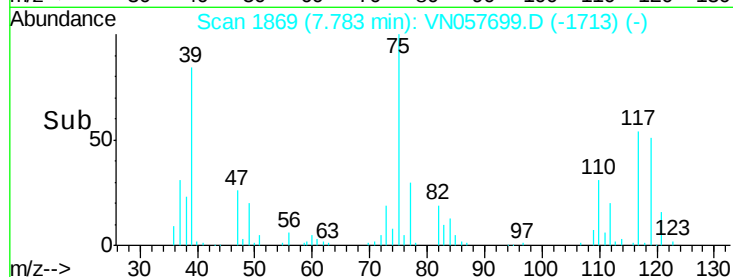
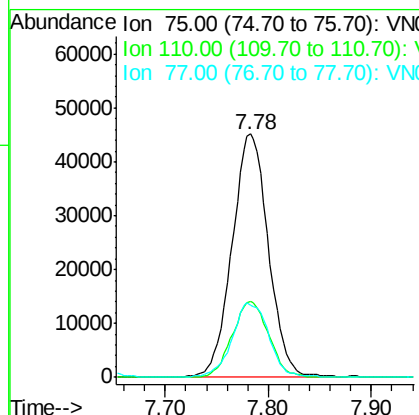
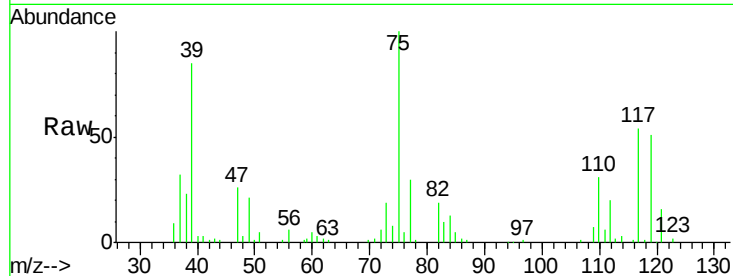
#29
 1,1-Dichloropropene
 Concen: 20.511 ug/l
 RT: 7.78 min Scan# 1869
 Delta R.T. 0.00 min
 Lab File: VN057699.D
 Acq: 5 Sep 2019 12:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0905WBSD01

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	31.3	0.0	62.8
77	30.8	0.0	57.8

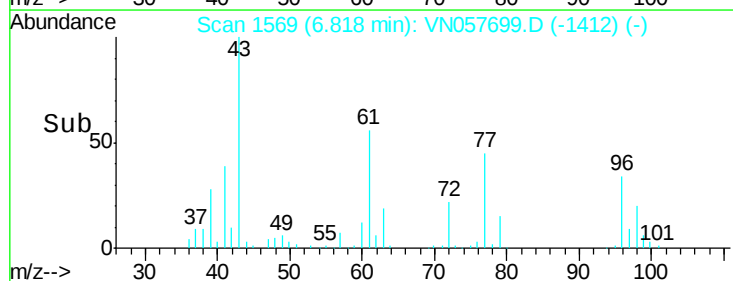
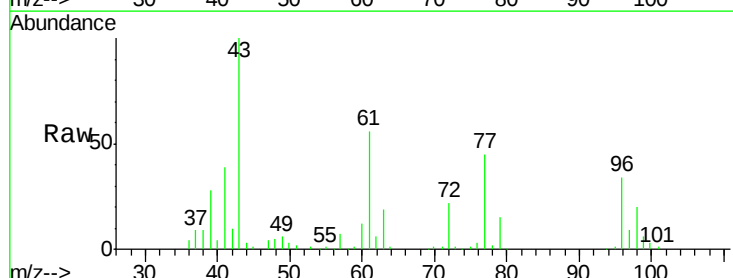
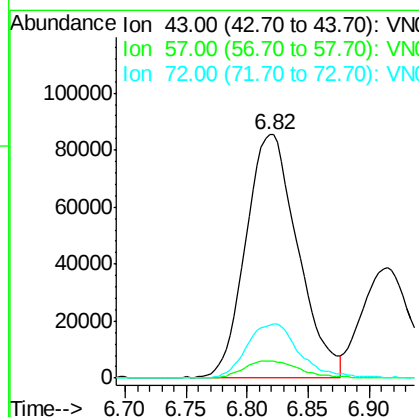
Manual Integrations
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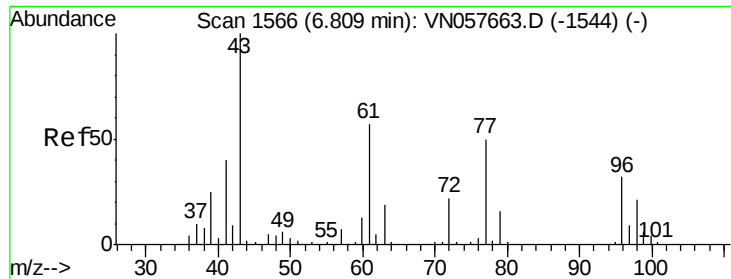
MMDadoda
 9/6/2019 8:26:27 AM



#30
 2-Butanone
 Concen: 98.760 ug/l
 RT: 6.82 min Scan# 1569
 Delta R.T. 0.01 min
 Lab File: VN057699.D
 Acq: 5 Sep 2019 12:31

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	7.7	2.6	3.8#
72	22.4	18.1	27.1





#31

2,2-Dichloropropane

Concen: 20.236 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN057699.D

Acq: 5 Sep 2019 12:31

Instrument :

MSVOA_N

ClientSampleId :

VN0905WBSD01

Tot Ion: 77 Resp: 135089

Ion Ratio Lower Upper

77 100

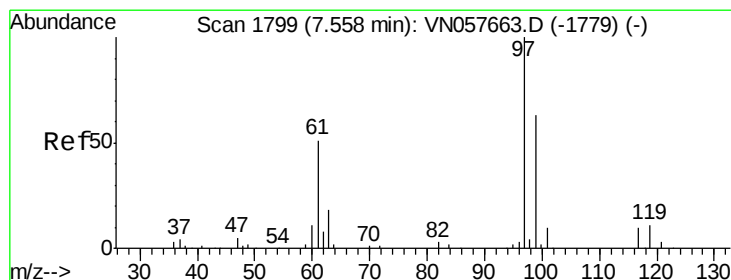
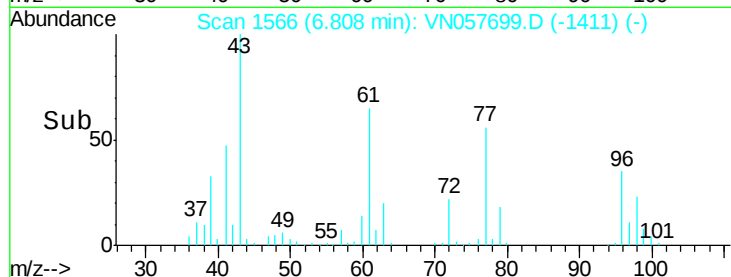
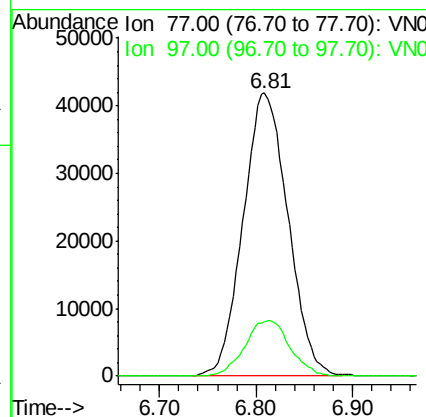
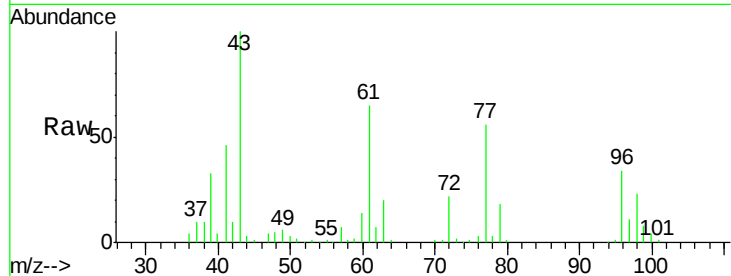
97 19.7 8.8 13.2#

Manual Integrations

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MMDadoda

9/6/2019 8:26:27 AM



#32

1,1,1-Trichloroethane

Concen: 20.906 ug/l

RT: 7.56 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VN057699.D

Acq: 5 Sep 2019 12:31

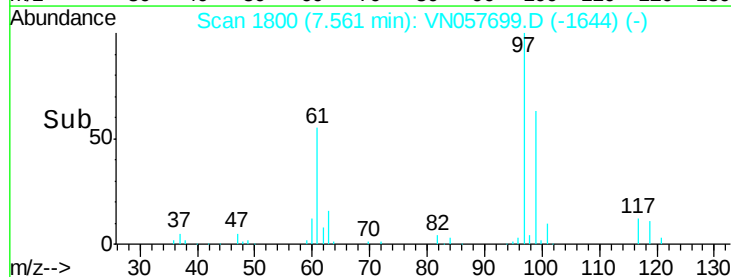
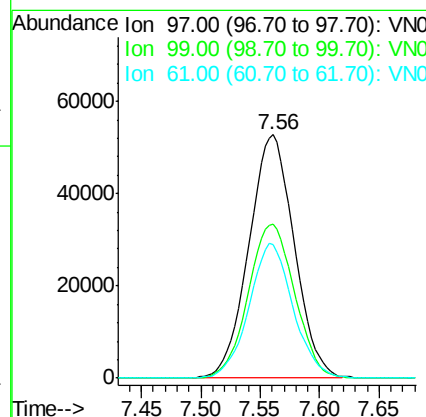
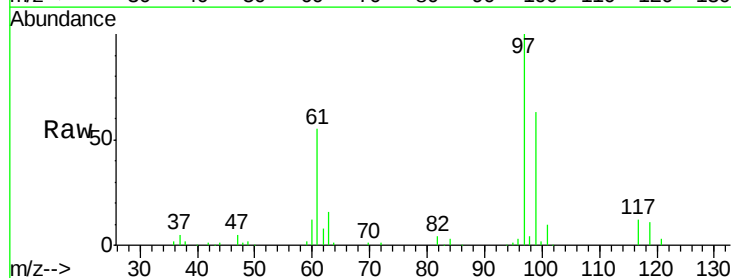
Tgt Ion: 97 Resp: 139607

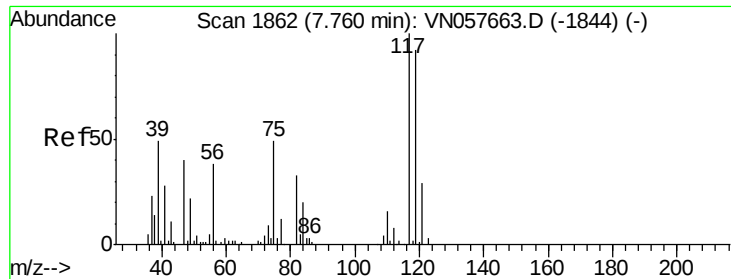
Ion Ratio Lower Upper

97 100

99 64.6 51.9 77.9

61 53.5 41.4 62.0





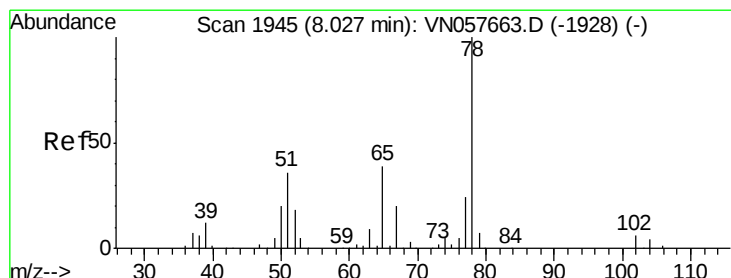
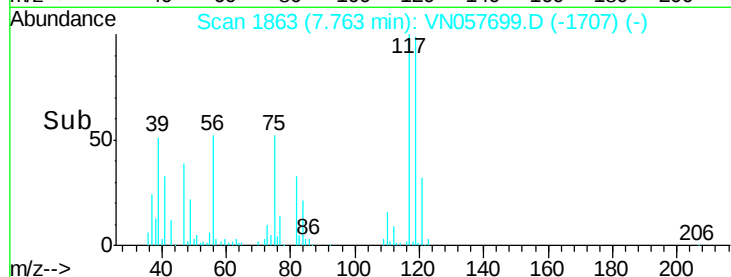
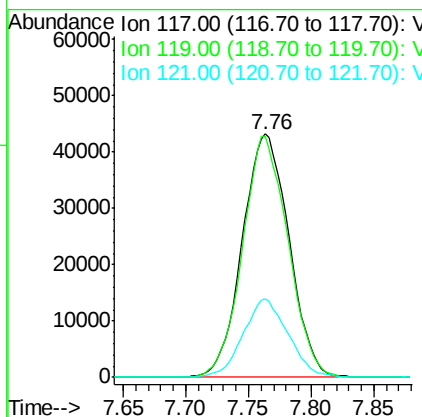
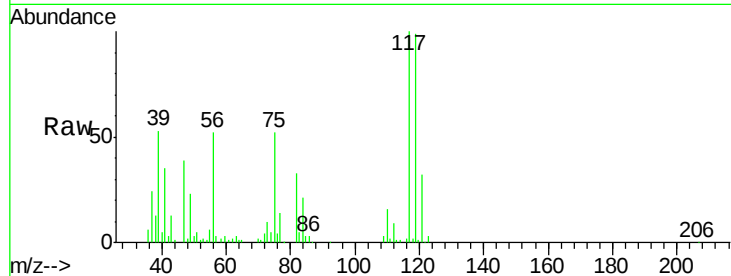
#33
Carbon Tetrachloride
Concen: 20.616 ug/l
RT: 7.76 min Scan# 1863
Delta R.T. 0.00 min
Lab File: VN057699.D
Acq: 5 Sep 2019 12:31

Instrument :
MSVOA_N
ClientSampleId :
VN0905WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
119	99.3	73.3	109.9
121	32.1	23.3	34.9

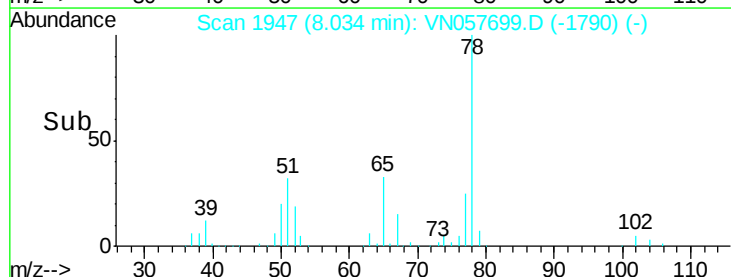
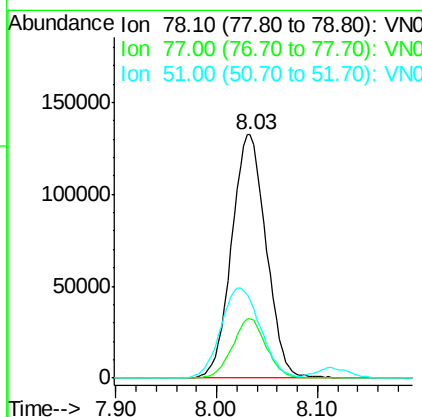
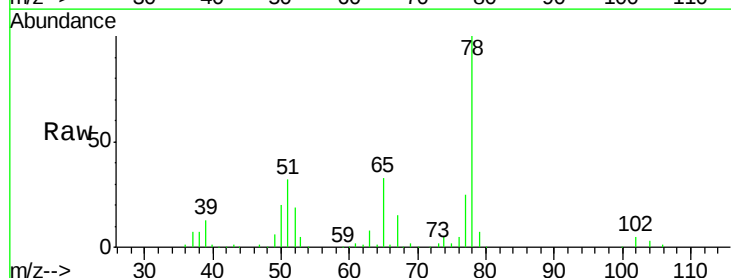
Manual Integrations
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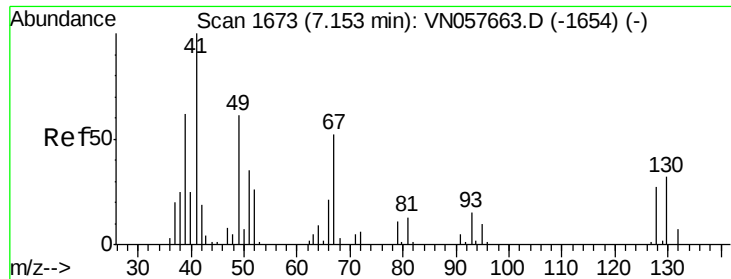
MMDadoda
9/6/2019 8:26:27 AM



#34
Benzene
Concen: 20.318 ug/l
RT: 8.03 min Scan# 1947
Delta R.T. 0.01 min
Lab File: VN057699.D
Acq: 5 Sep 2019 12:31

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.6	18.8	28.2
51	31.7	29.0	43.6





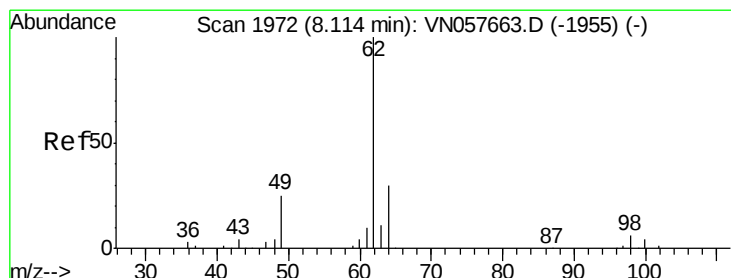
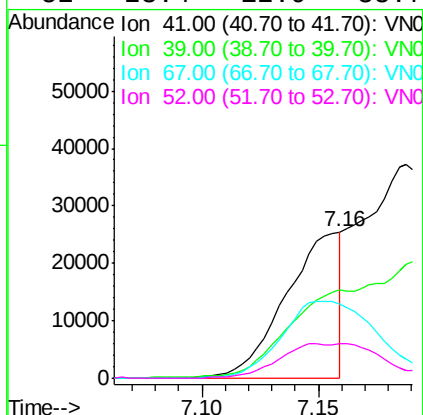
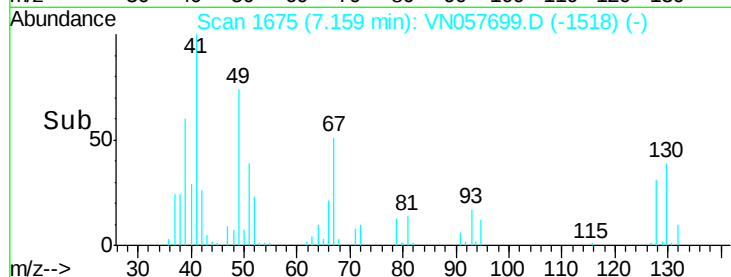
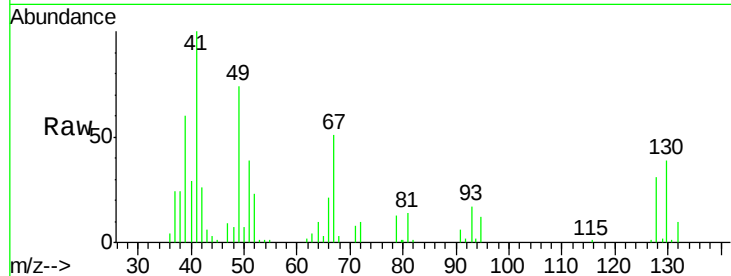
#35
Methacrylonitrile
Concen: 17.835 ug/l m
RT: 7.16 min Scan# 1675
Delta R.T. 0.01 min
Lab File: VN057699.D
Acq: 5 Sep 2019 12:31

Instrument :
MSVOA_N
ClientSampleId :
VN0905WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	59.9	31.0	93.0	
67	51.0	25.9	77.7	
52	23.4	12.9	38.7	

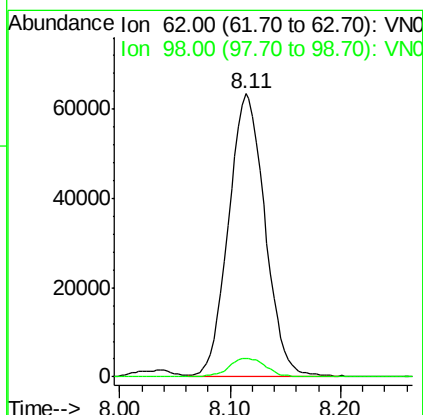
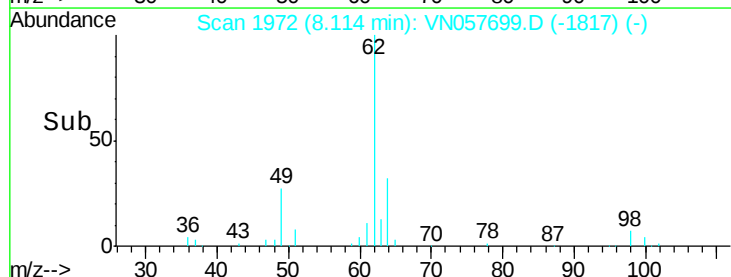
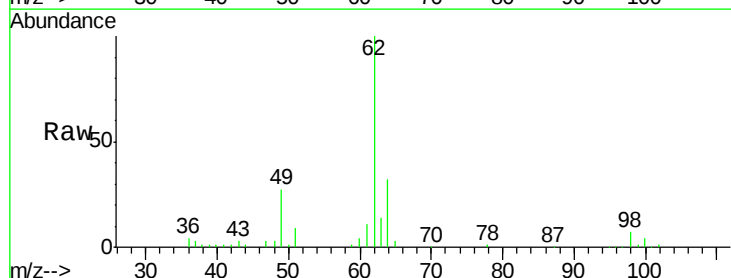
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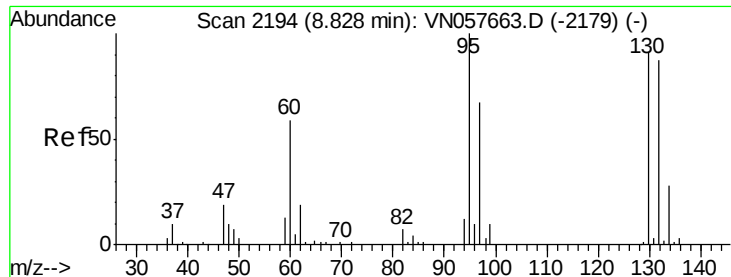
MMDadoda
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#36
1,2-Dichloroethane
Concen: 20.921 ug/l
RT: 8.11 min Scan# 1972
Delta R.T. -0.00 min
Lab File: VN057699.D
Acq: 5 Sep 2019 12:31

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	6.7	0.0	0.0#	





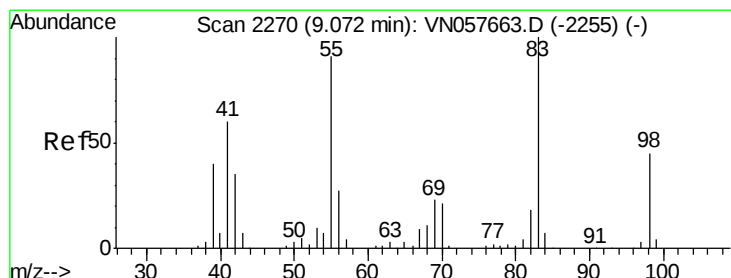
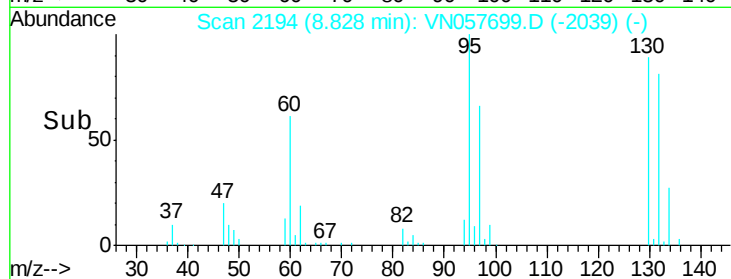
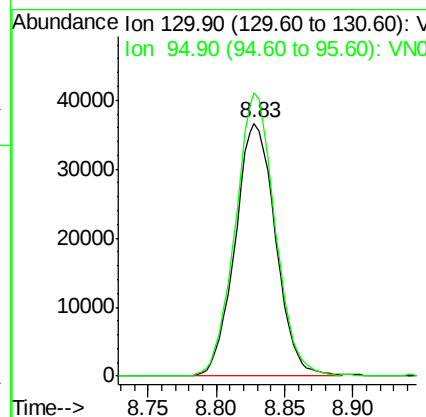
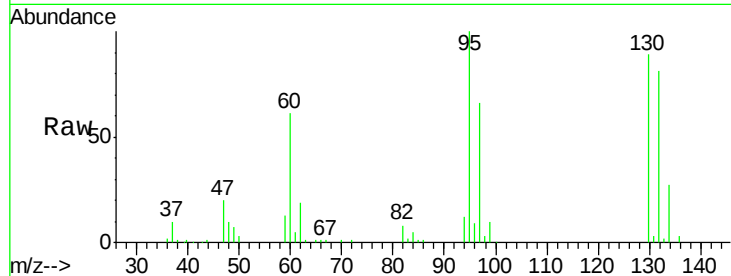
#37
 Trichloroethene
 Concen: 20.542 ug/l
 RT: 8.83 min Scan# 2194
 Delta R.T. -0.00 min
 Lab File: VN057699.D
 Acq: 5 Sep 2019 12:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0905WBSD01

Tot Ion:130 Resp: 75577
 Ion Ratio Lower Upper
 130 100
 95 111.5 87.5 131.3

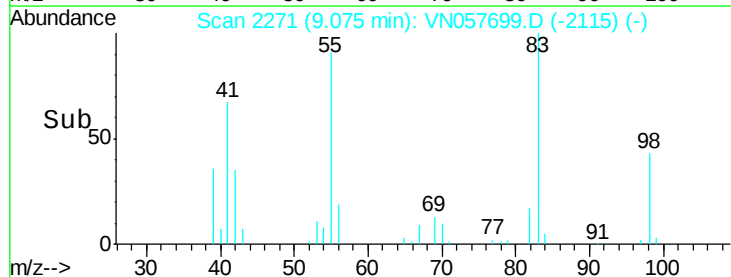
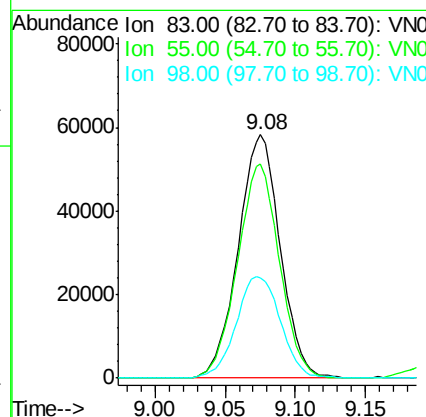
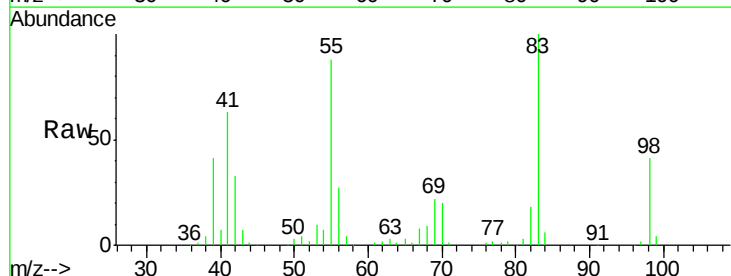
Manual Integrations
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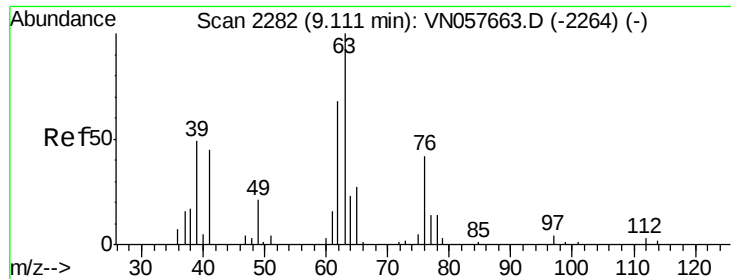
MMDadoda
 9/6/2019 8:26:27 AM



#38
 Methylcyclohexane
 Concen: 20.266 ug/l
 RT: 9.08 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VN057699.D
 Acq: 5 Sep 2019 12:31

Tgt Ion: 83 Resp: 121301
 Ion Ratio Lower Upper
 83 100
 55 88.0 45.1 135.3
 98 44.0 22.5 67.5





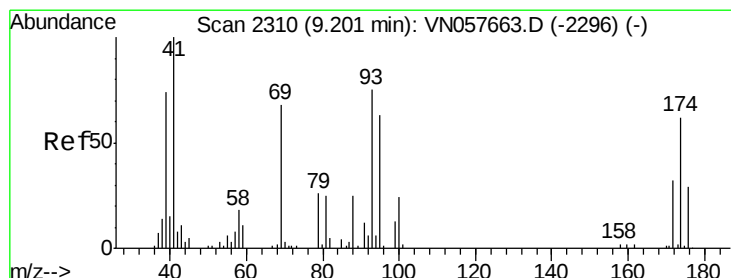
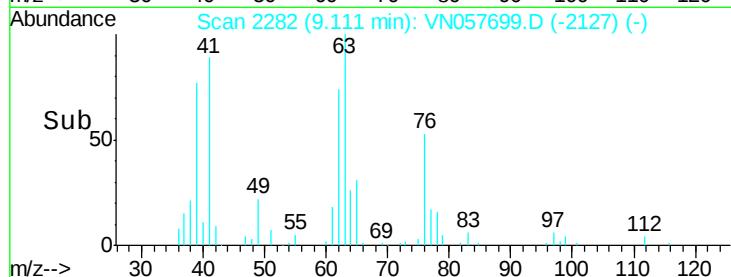
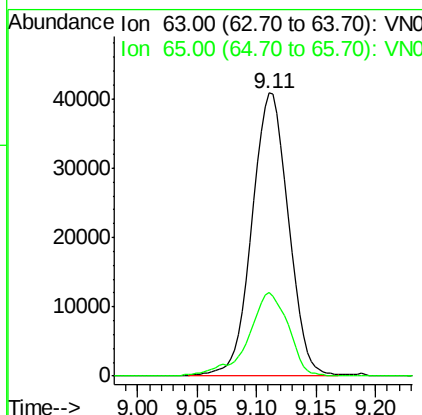
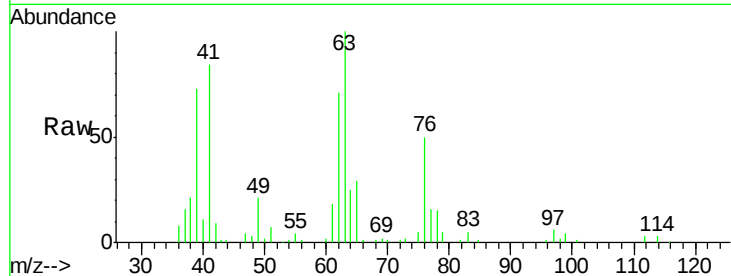
#39
 1,2-Dichloropropane
 Concen: 20.543 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. -0.00 min
 Lab File: VN057699.D
 Acq: 5 Sep 2019 12:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0905WBSD01

Tot Ion: 63 Resp: 87037
 Ion Ratio Lower Upper
 63 100
 65 29.4 22.2 33.2

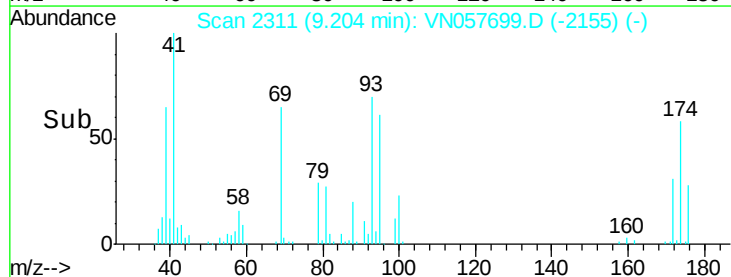
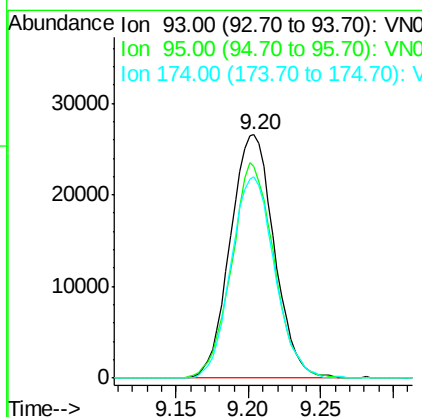
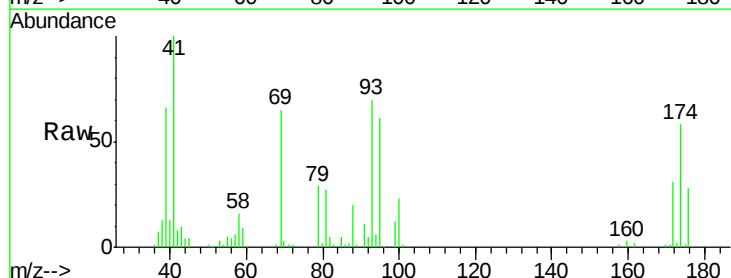
Manual Integrations
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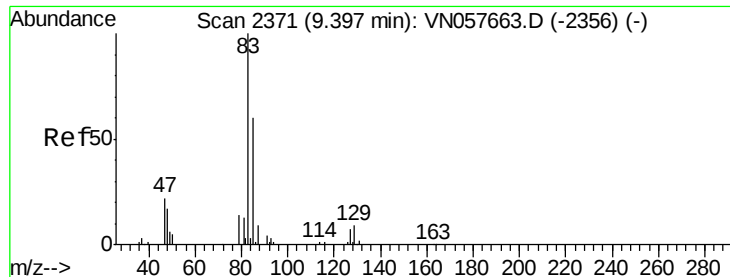
MMDadoda
 9/6/2019 8:26:27 AM



#40
 Dibromomethane
 Concen: 20.354 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VN057699.D
 Acq: 5 Sep 2019 12:31

Tgt Ion: 93 Resp: 55903
 Ion Ratio Lower Upper
 93 100
 95 85.4 0.0 168.2
 174 82.1 0.0 169.2





#41

Bromodichloromethane

Concen: 20.183 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. -0.00 min

Lab File: VN057699.D

Acq: 5 Sep 2019 12:31

Instrument :

MSVOA_N

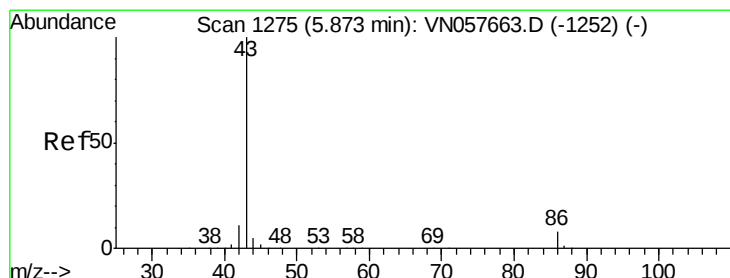
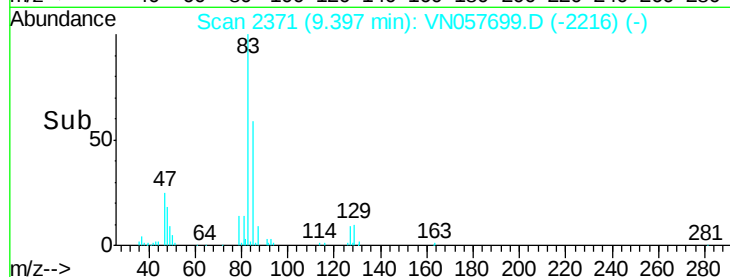
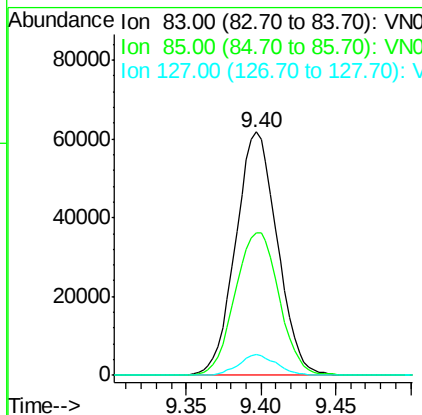
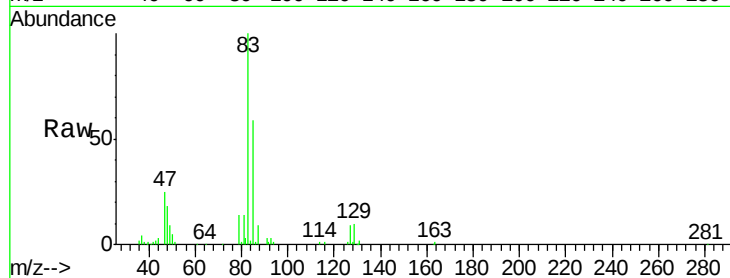
ClientSampleId :

VN0905WBSD01

Tot Ion:	83	Resp:	119814
Ion Ratio	Lower	Upper	
83	100		
85	58.7	48.2	72.4
127	8.7	5.3	7.9#

Manual Integrations
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MMDadoda
9/6/2019 8:26:27 AM



#42

Vinyl Acetate

Concen: 107.627 ug/l

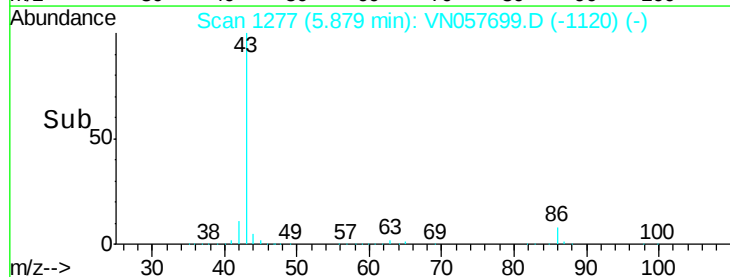
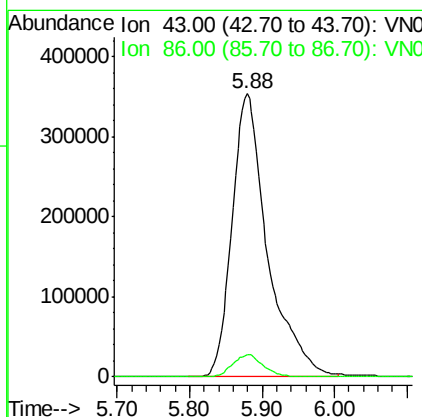
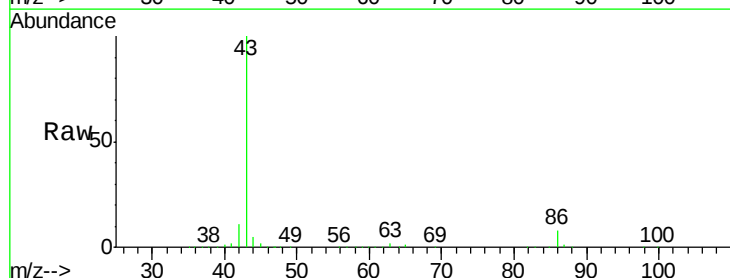
RT: 5.88 min Scan# 1277

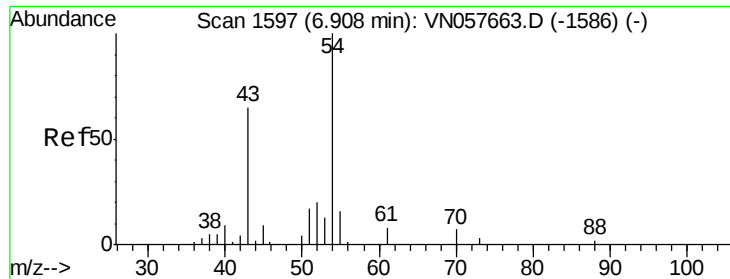
Delta R.T. 0.01 min

Lab File: VN057699.D

Acq: 5 Sep 2019 12:31

Tgt Ion:	43	Resp:	1205353
Ion Ratio	Lower	Upper	
43	100		
86	6.8	5.4	8.2





#43

Ethyl Acetate

Concen: 22.052 ug/l m

RT: 6.91 min Scan# 1599

Delta R.T. 0.01 min

Lab File: VN057699.D

Acq: 5 Sep 2019 12:31

Instrument :

MSVOA_N

ClientSampleId :

VN0905WBSD01

Tot Ion: 43 Resp: 115706

Ion Ratio Lower Upper

43 100

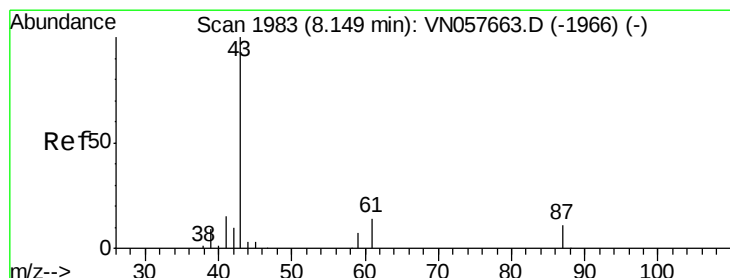
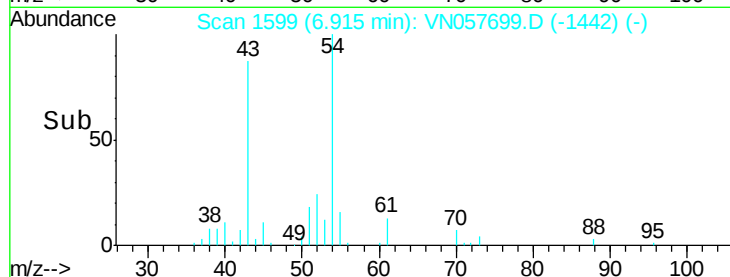
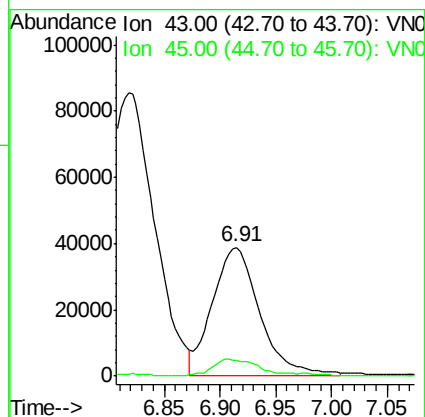
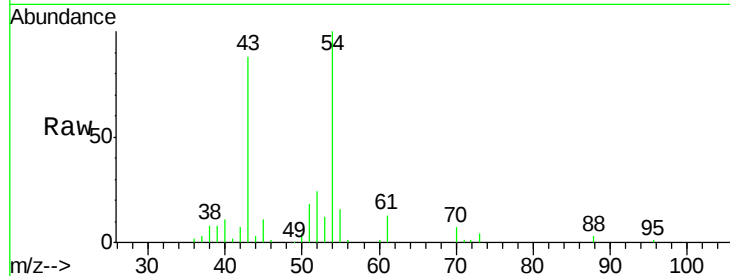
45 1.8 5.0 7.6#

Manual Integrations

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#44

Isopropyl Acetate

Concen: 20.123 ug/l

RT: 8.15 min Scan# 1984

Delta R.T. 0.00 min

Lab File: VN057699.D

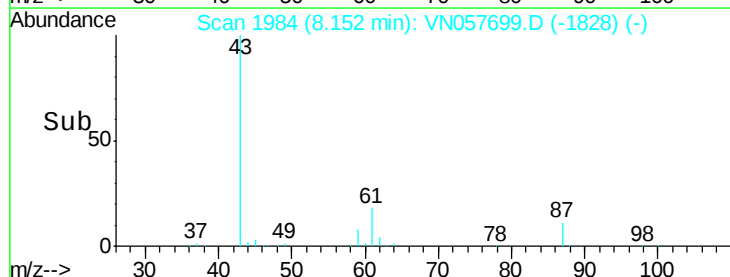
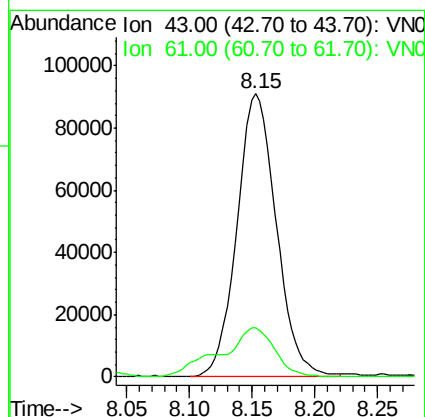
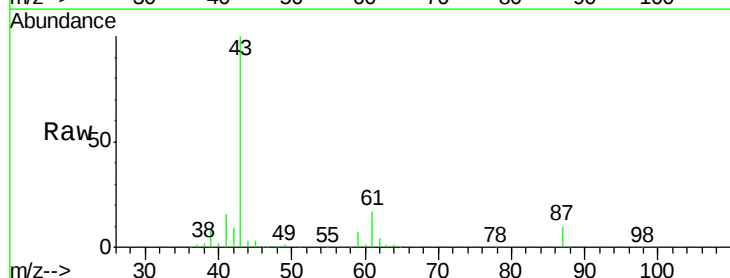
Acq: 5 Sep 2019 12:31

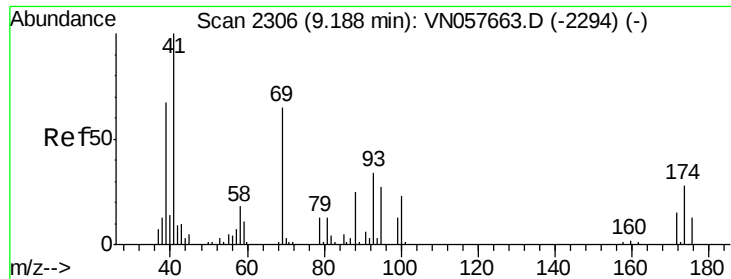
Tgt Ion: 43 Resp: 197391

Ion Ratio Lower Upper

43 100

61 16.2 12.6 18.8





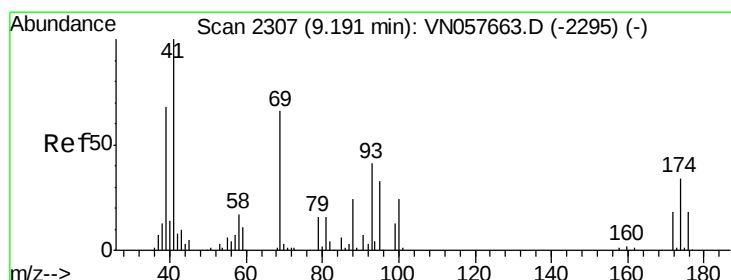
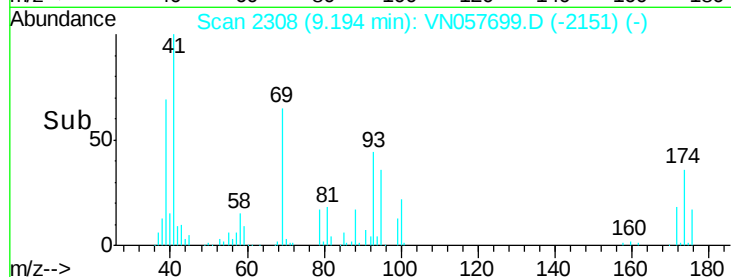
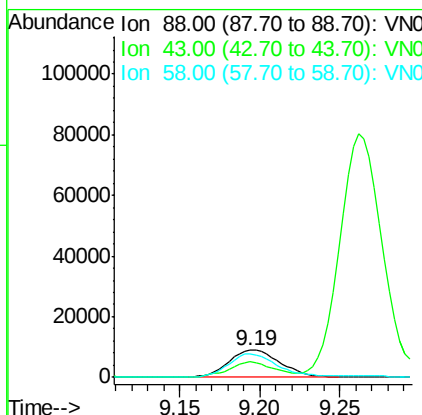
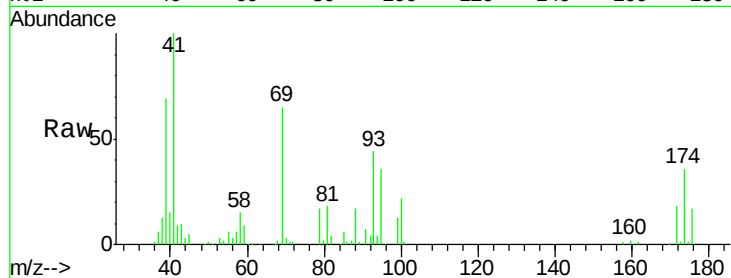
#45
1,4-Dioxane
Concen: 316.262 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. 0.01 min
Lab File: VN057699.D
Acq: 5 Sep 2019 12:31

Instrument :
MSVOA_N
ClientSampleId :
VN0905WBSD01

Tot Ion	88	Resp	19915
Ion Ratio	100	Lower	Upper
43	51.4	31.0	46.4#
58	81.5	58.2	87.2

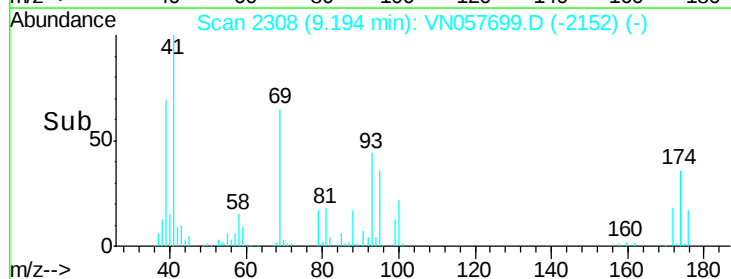
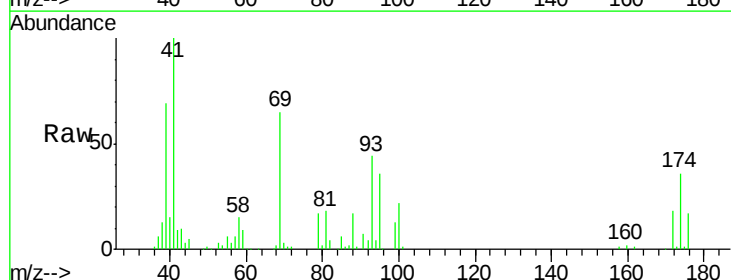
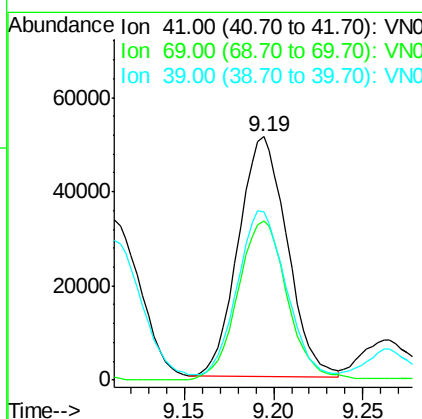
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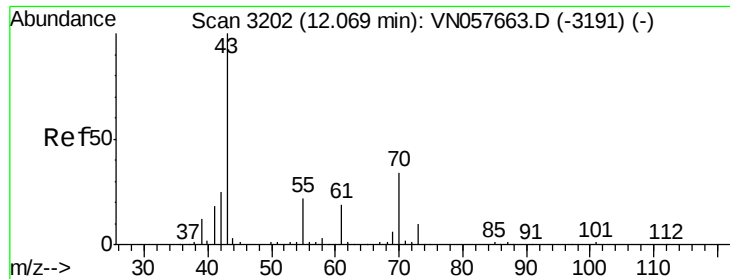
MMDadoda
9/6/2019 8:26:27 AM



#46
Methyl methacrylate
Concen: 20.436 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. 0.00 min
Lab File: VN057699.D
Acq: 5 Sep 2019 12:31

Tgt Ion	41	Resp	97269
Ion Ratio	100	Lower	Upper
69	66.6	33.1	99.2
39	67.9	34.0	102.0





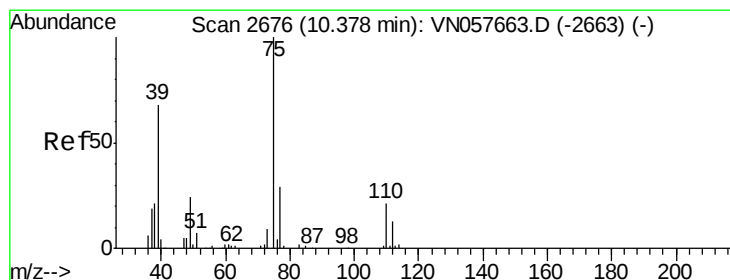
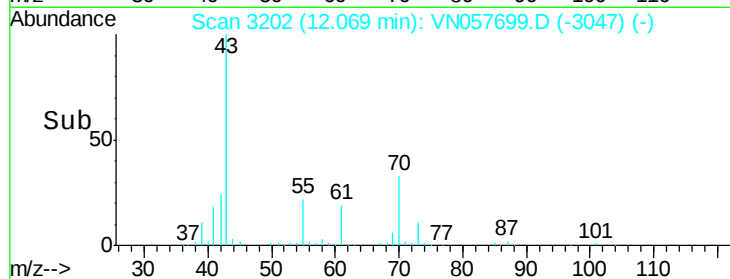
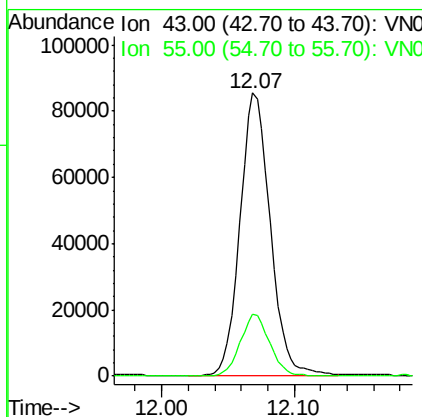
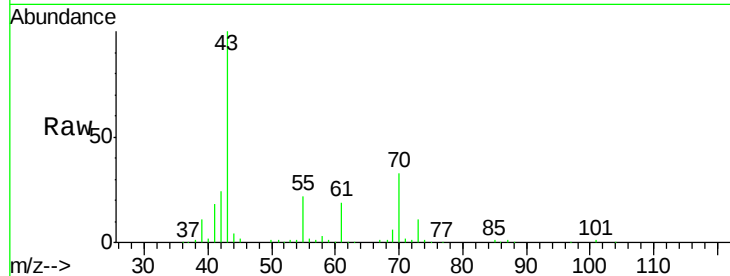
#47
n-amyl Acetate
Concen: 17.776 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VN057699.D
Acq: 5 Sep 2019 12:31

Instrument :
MSVOA_N
ClientSampleId :
VN0905WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
55	21.3	17.5	26.3

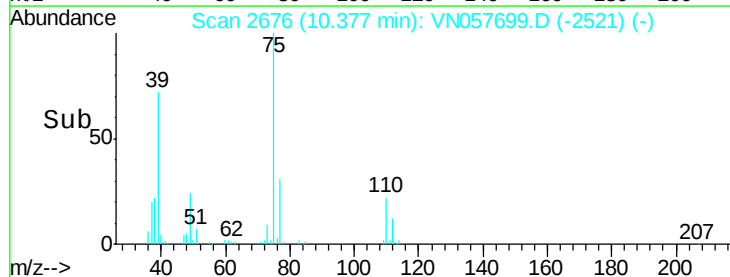
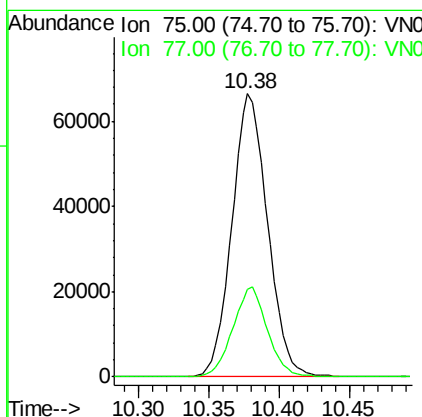
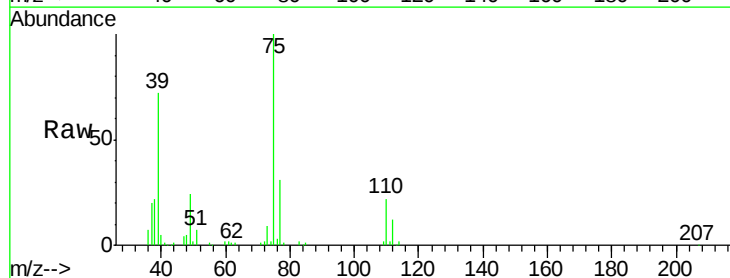
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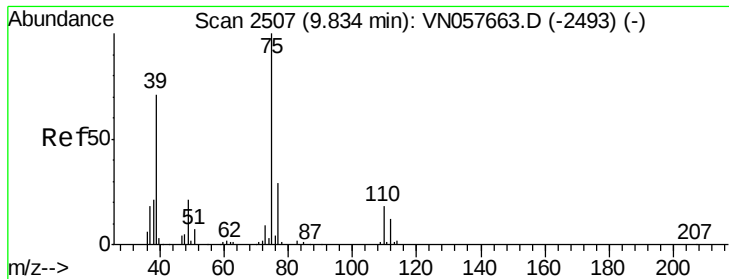
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9/6/2019 8:26:27 AM



#48
t-1,3-Dichloropropene
Concen: 18.930 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VN057699.D
Acq: 5 Sep 2019 12:31

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.0	23.1	34.7





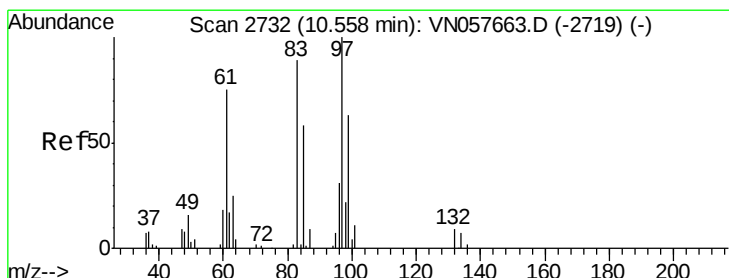
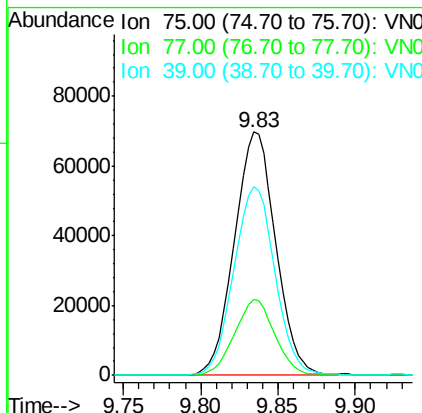
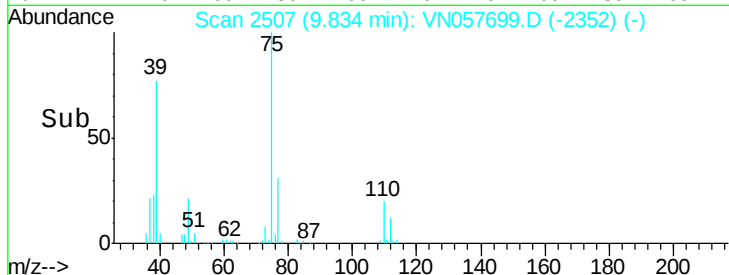
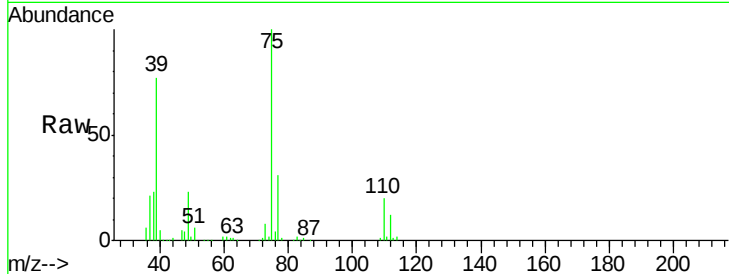
#49
 cis-1,3-Dichloropropene
 Concen: 19.512 ug/l
 RT: 9.83 min Scan# 2507
 Delta R.T. -0.00 min
 Lab File: VN057699.D
 Acq: 5 Sep 2019 12:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0905WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.1	23.4	35.2
39	77.0	56.6	85.0

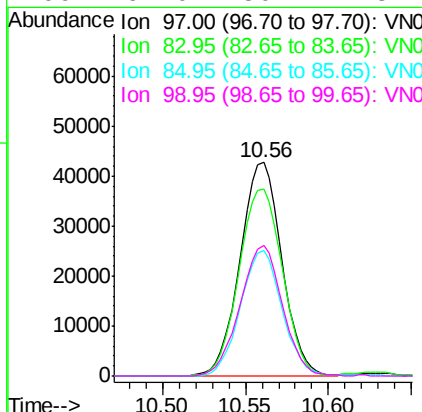
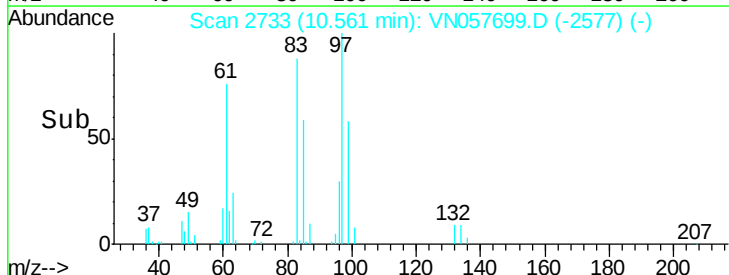
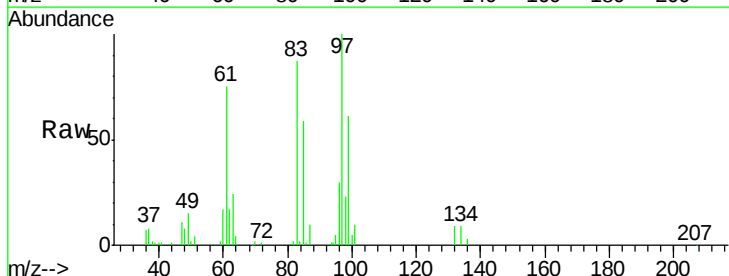
Manual Integrations
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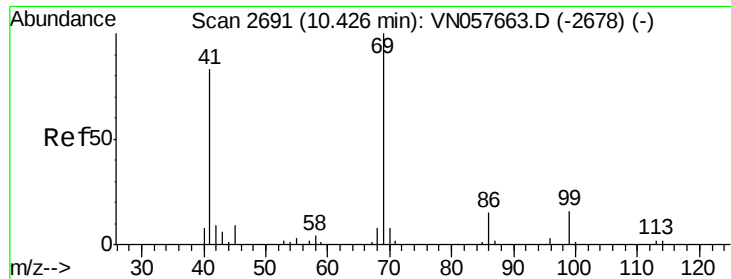
MMDadoda
 9/6/2019 8:26:27 AM



#50
 1,1,2-Trichloroethane
 Concen: 20.255 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN057699.D
 Acq: 5 Sep 2019 12:31

Tgt Ion	Ratio	Lower	Upper
97	100		
83	87.5	71.4	107.2
85	59.0	46.0	69.0
99	61.0	50.2	75.2





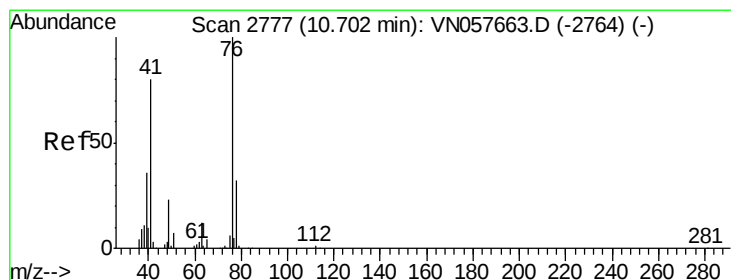
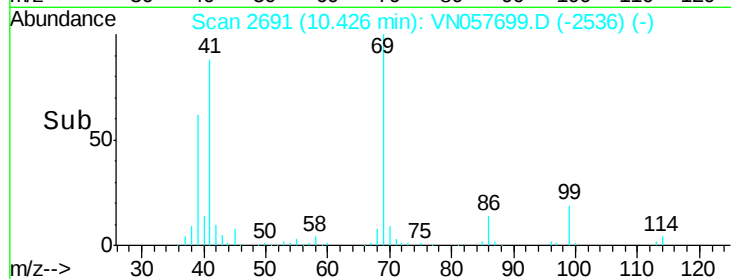
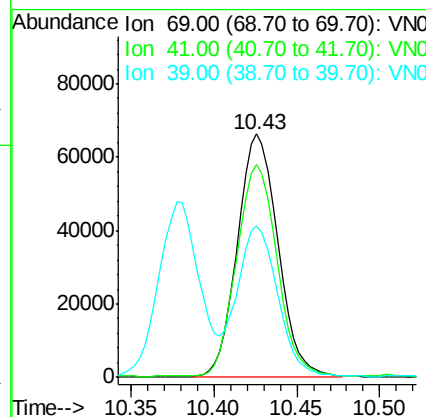
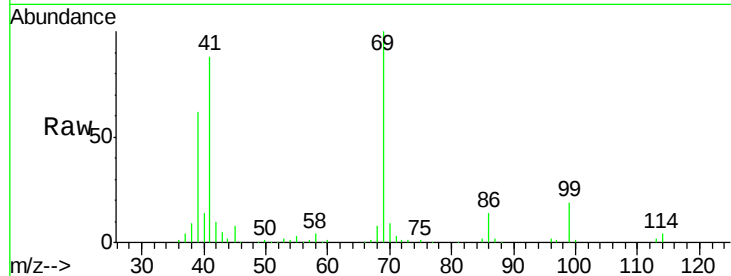
#51
Ethyl methacrylate
Concen: 18.764 ug/l
RT: 10.43 min Scan# 2691
Delta R.T. -0.00 min
Lab File: VN057699.D
Acq: 5 Sep 2019 12:31

Instrument :
MSVOA_N
ClientSampleId :
VN0905WBSD01

Tot Ion	Ratio	Lower	Upper
69	100		
41	87.0	41.5	124.5
39	61.7	29.6	88.9

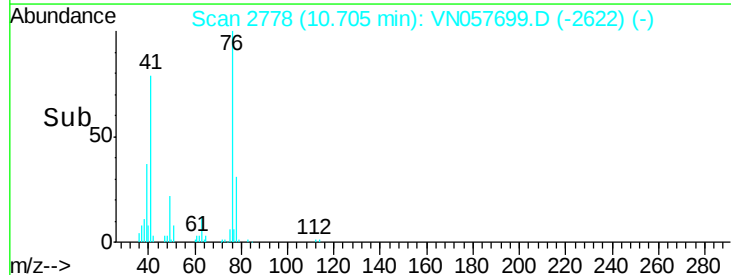
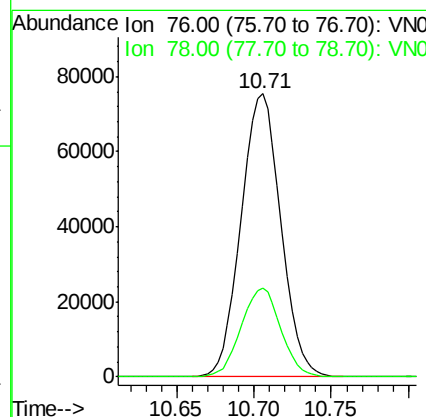
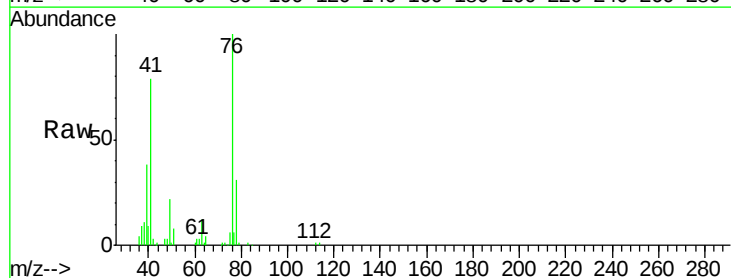
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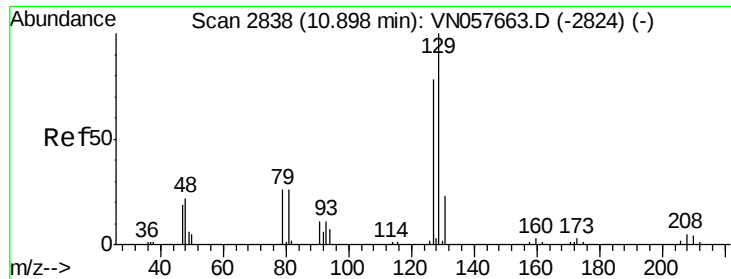
MMDadoda
9/6/2019 8:26:27 AM



#52
1,3-Dichloropropane
Concen: 20.458 ug/l
RT: 10.71 min Scan# 2778
Delta R.T. 0.00 min
Lab File: VN057699.D
Acq: 5 Sep 2019 12:31

Tgt Ion	Ratio	Lower	Upper
76	100		
78	31.3	0.0	63.8





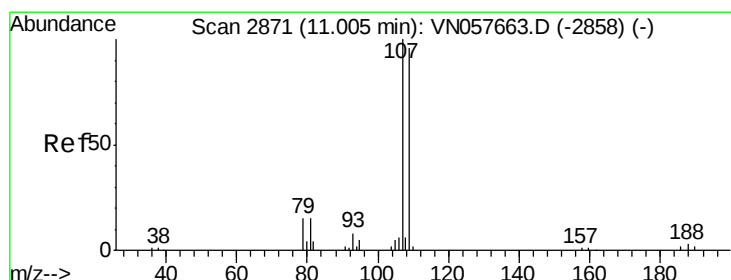
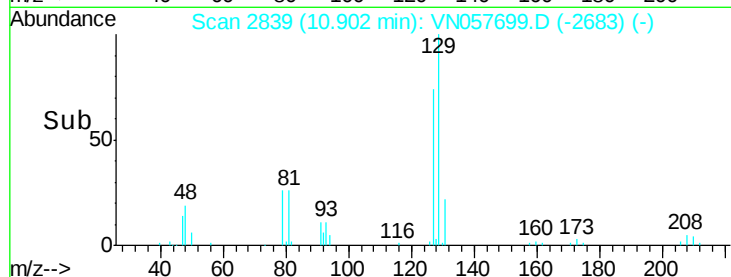
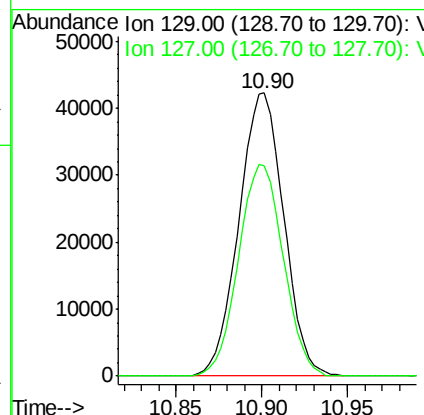
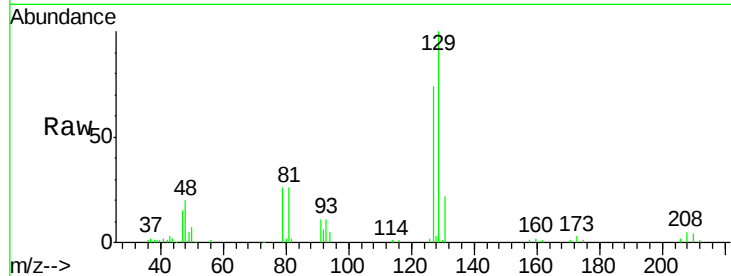
#53
 Dibromochloromethane
 Concen: 19.865 ug/l
 RT: 10.90 min Scan# 2839
 Delta R.T. 0.00 min
 Lab File: VN057699.D
 Acq: 5 Sep 2019 12:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0905WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
129	100		76798		
127	74.5	39.1	117.3		

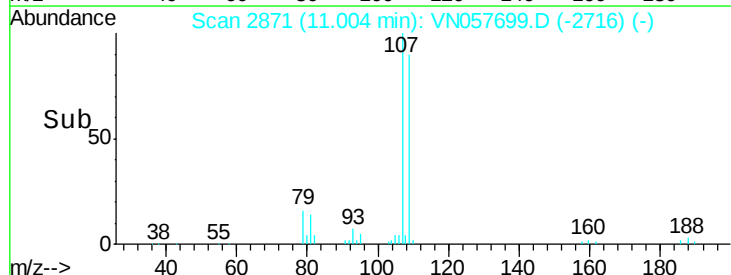
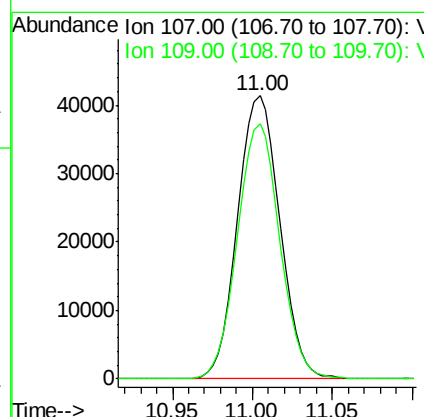
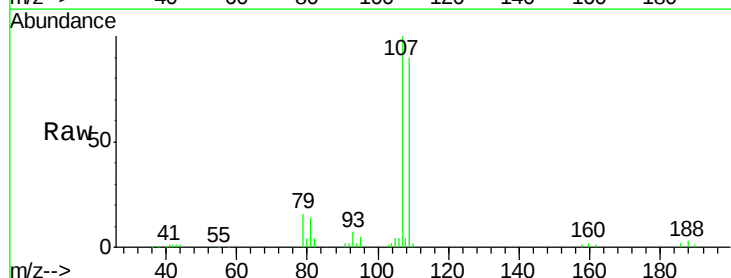
Manual Integrations
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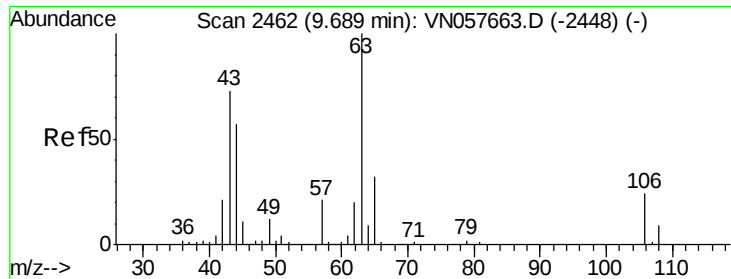
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#54
 1,2-Dibromoethane
 Concen: 20.141 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN057699.D
 Acq: 5 Sep 2019 12:31

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100		74580		
109	90.3	76.2	114.4		





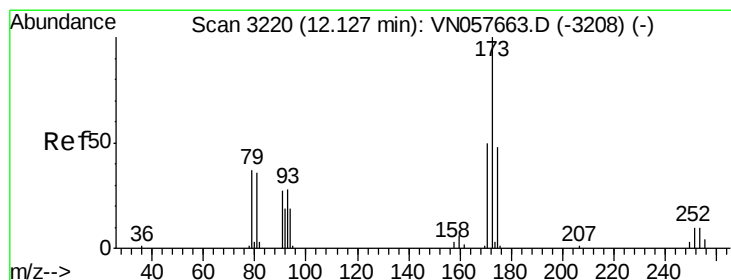
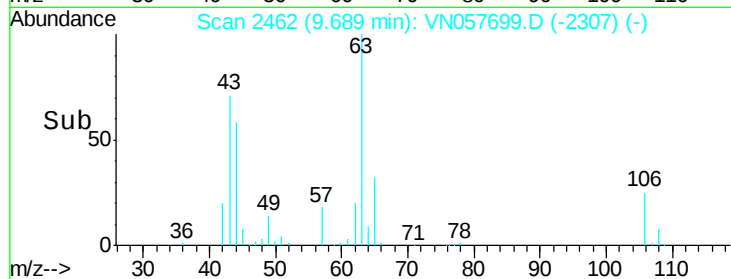
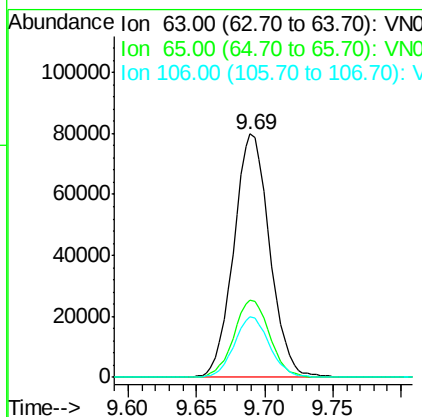
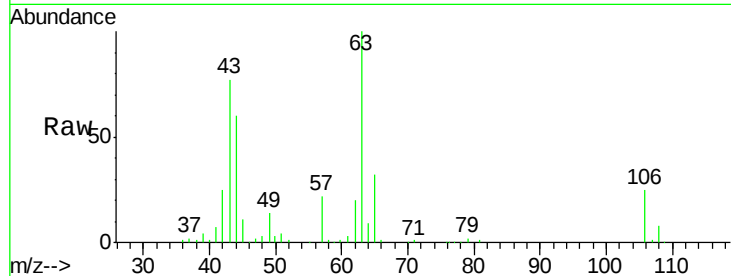
#55
2-Chloroethyl vinyl ether
Concen: 76.633 ug/l
RT: 9.69 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VN057699.D
Acq: 5 Sep 2019 12:31

Instrument :
MSVOA_N
ClientSampleId :
VN0905WBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.5	25.6	38.4
106	24.3	19.5	29.3

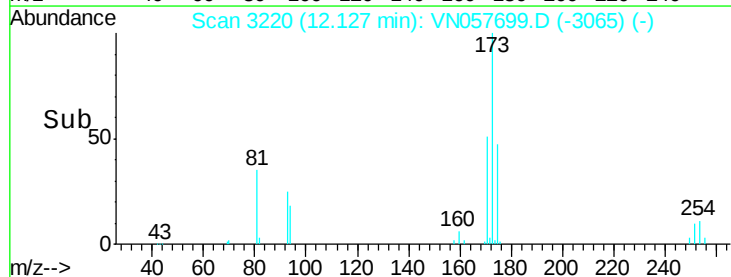
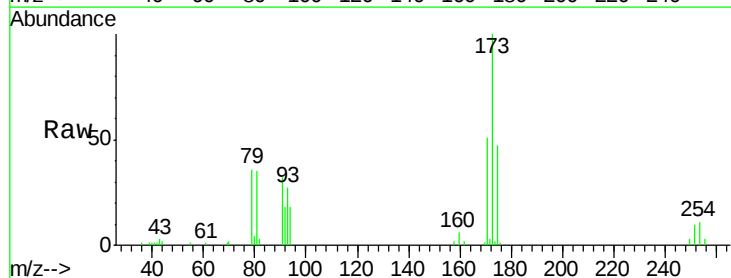
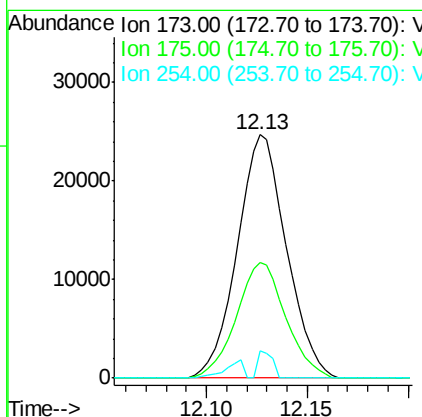
Manual Integrations
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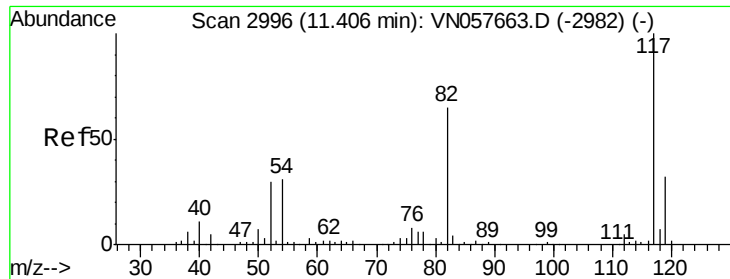
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#56
Bromoform
Concen: 17.537 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN057699.D
Acq: 5 Sep 2019 12:31

Tgt Ion	Ratio	Lower	Upper
173	100		
175	47.7	38.8	58.2
254	3.3	7.2	10.8





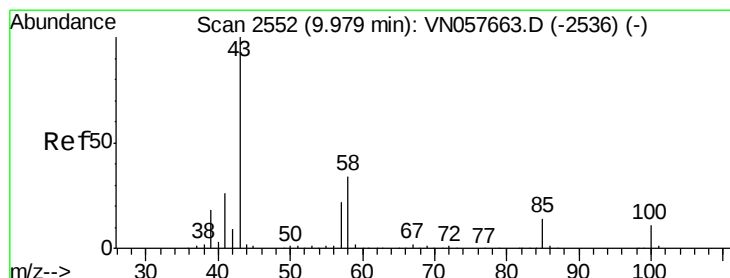
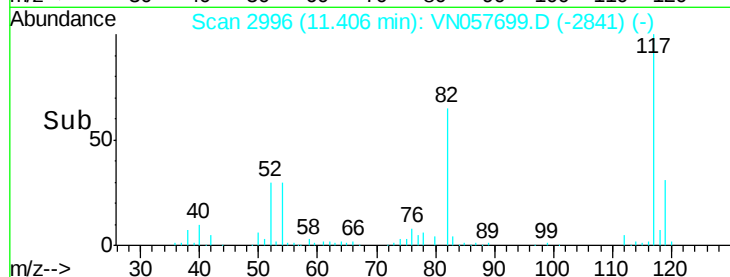
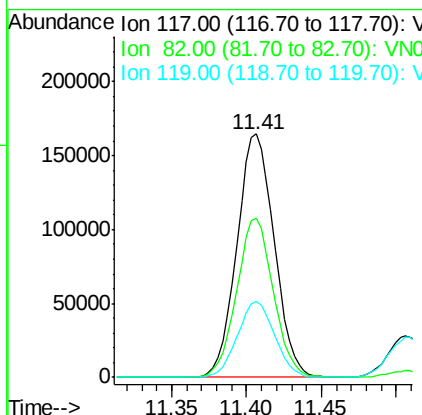
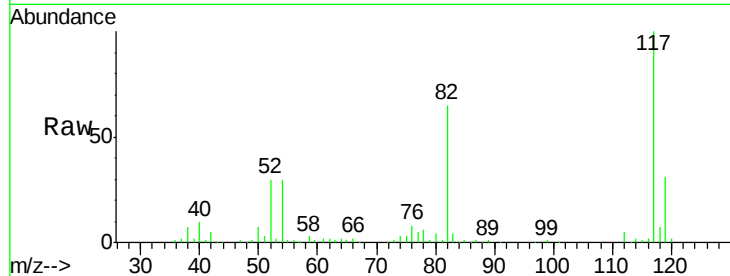
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN057699.D
Acq: 5 Sep 2019 12:31

Instrument :
MSVOA_N
ClientSampled :
VN0905WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	64.1	51.2	76.8
119	31.0	25.8	38.6

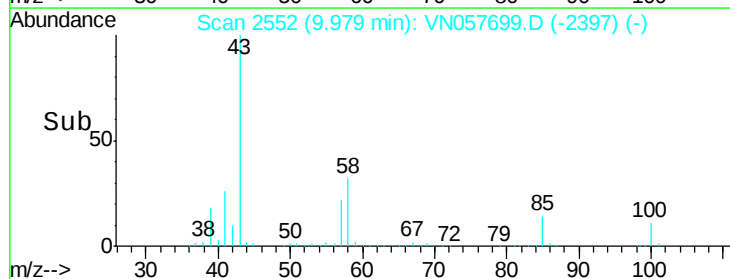
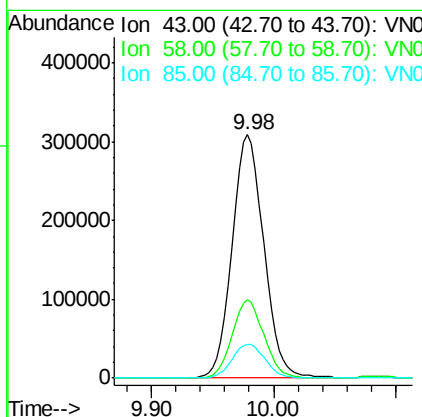
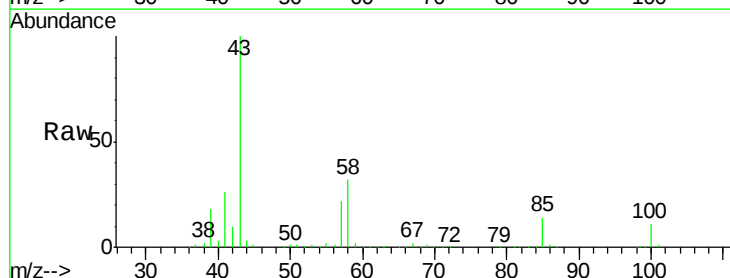
Manual Integrations
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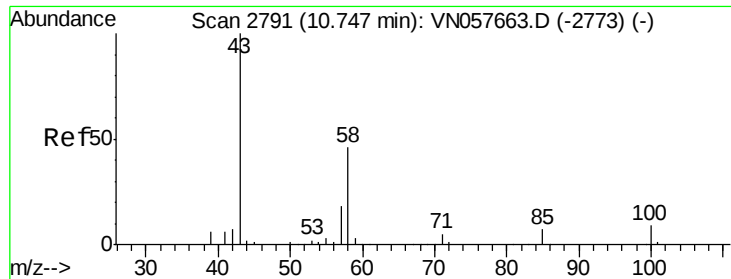
MMDadoda
9/6/2019 8:26:27 AM



#58
4-Methyl-2-Pentanone
Concen: 109.983 ug/l
RT: 9.98 min Scan# 2552
Delta R.T. -0.00 min
Lab File: VN057699.D
Acq: 5 Sep 2019 12:31

Tgt Ion	Ratio	Lower	Upper
43	100		
58	32.5	26.7	40.1
85	14.4	11.2	16.8





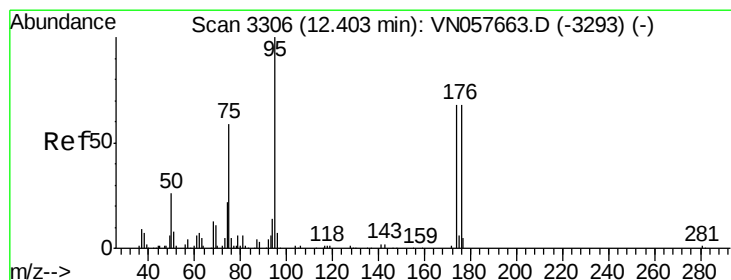
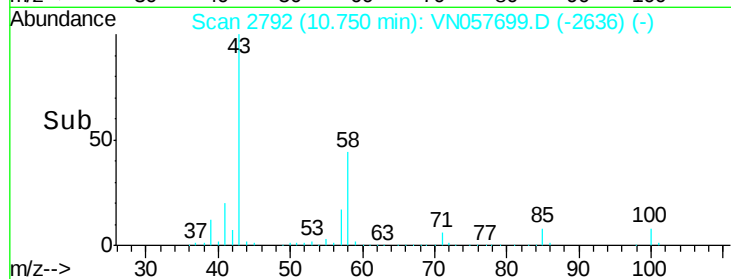
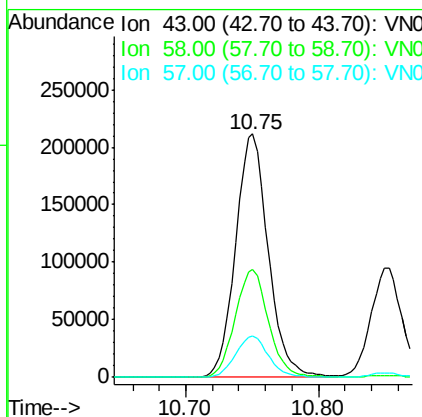
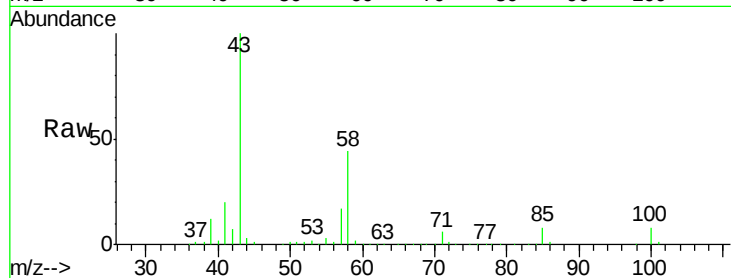
#59
2-Hexanone
Concen: 101.283 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN057699.D
Acq: 5 Sep 2019 12:31

Instrument :
MSVOA_N
ClientSampleId :
VN0905WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	45.3	36.1	54.1
57	17.3	14.1	21.1

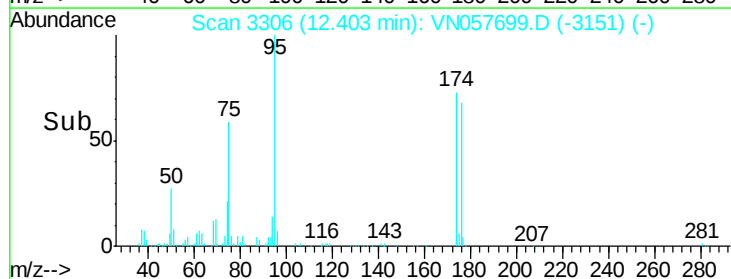
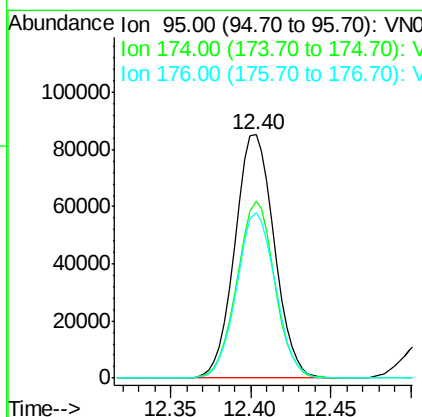
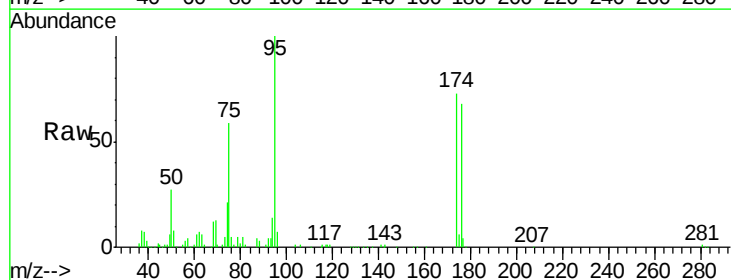
Manual Integrations
APPROVED

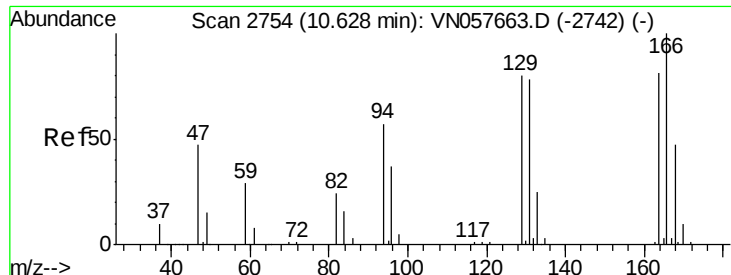
MMDadoda
9/6/2019 8:26:27 AM



#60
4-Bromofluorobenzene
Concen: 29.201 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. -0.00 min
Lab File: VN057699.D
Acq: 5 Sep 2019 12:31

Tgt Ion	Ratio	Lower	Upper
95	100		
174	69.8	55.0	82.6
176	66.8	53.7	80.5





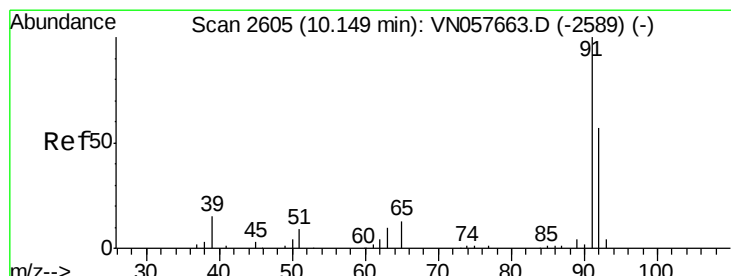
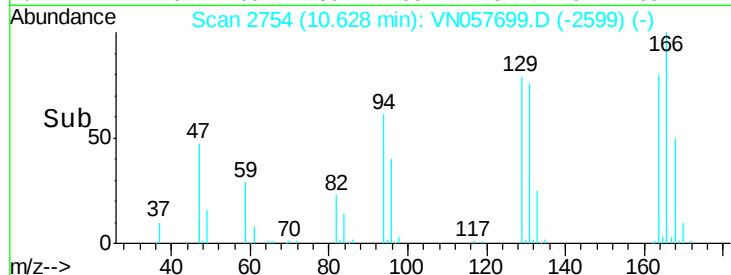
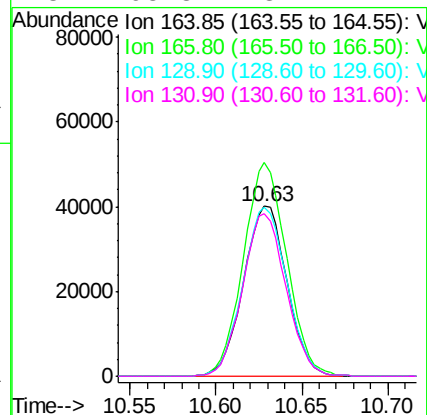
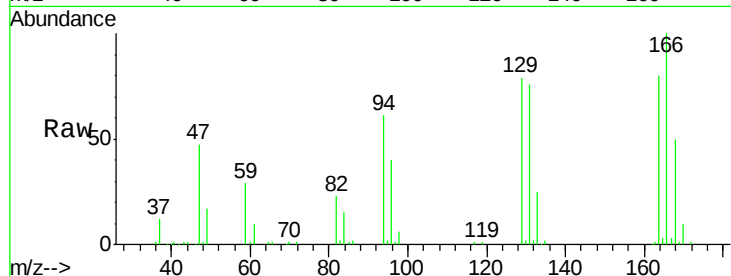
#61
Tetrachloroethene
Concen: 21.480 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN057699.D
Acq: 5 Sep 2019 12:31

Instrument :
MSVOA_N
ClientSampleId :
VN0905WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
166	125.5	99.4	149.2	
129	99.2	78.8	118.2	
131	95.8	78.2	117.2	

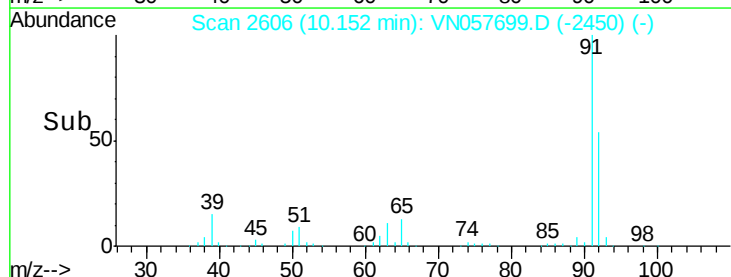
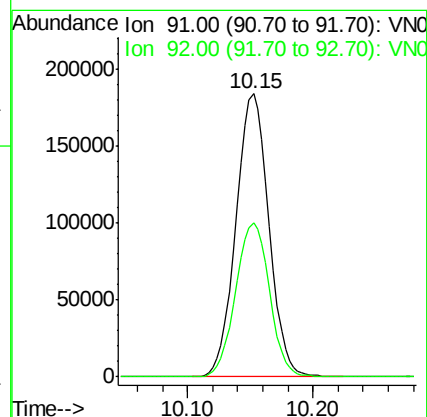
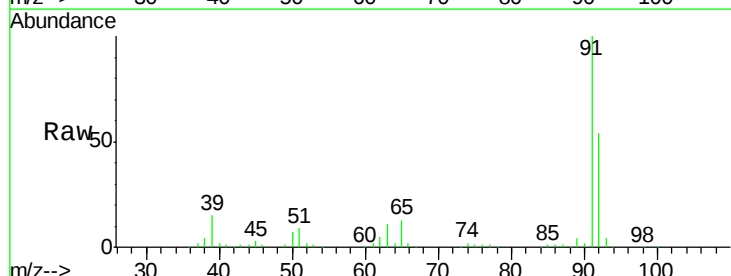
Manual Integrations
APPROVED

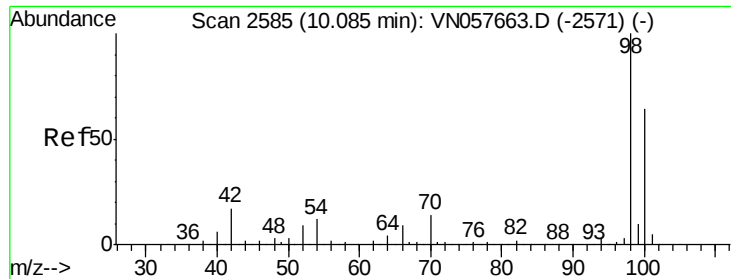
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#62
Toluene
Concen: 20.886 ug/l
RT: 10.15 min Scan# 2606
Delta R.T. 0.00 min
Lab File: VN057699.D
Acq: 5 Sep 2019 12:31

Tgt Ion	Ratio	Resp	Lower	Upper
91	100			
92	56.1	46.1	69.1	





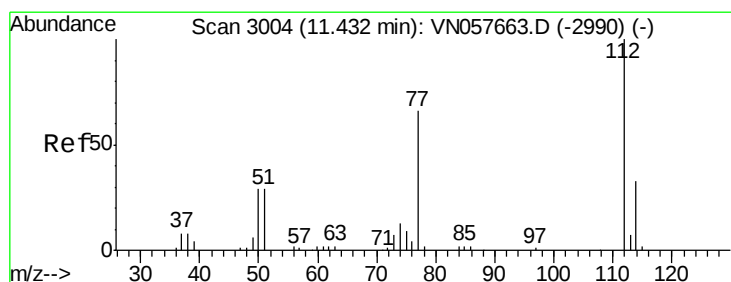
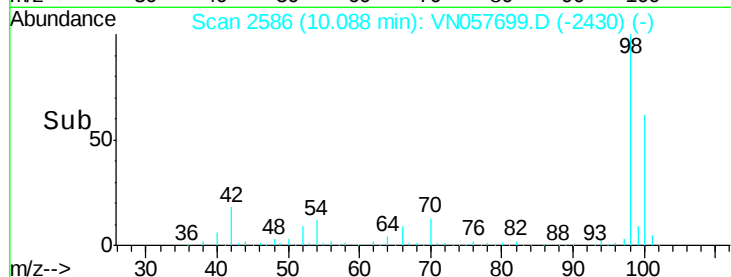
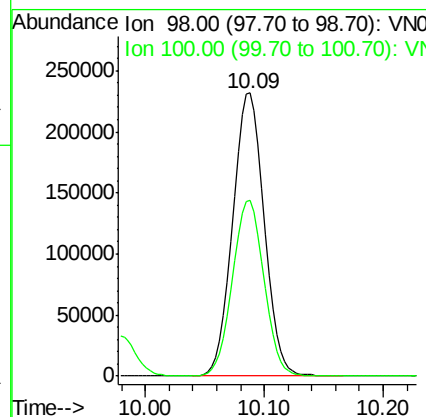
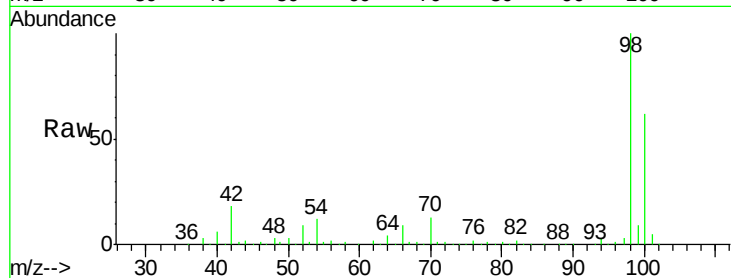
#63
Toluene-d8
Concen: 30.914 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. 0.00 min
Lab File: VN057699.D
Acq: 5 Sep 2019 12:31

Instrument :
MSVOA_N
ClientSampleId :
VN0905WBSD01

Tot Ion: 98 Resp: 426011
Ion Ratio Lower Upper
98 100
100 62.2 51.0 76.6

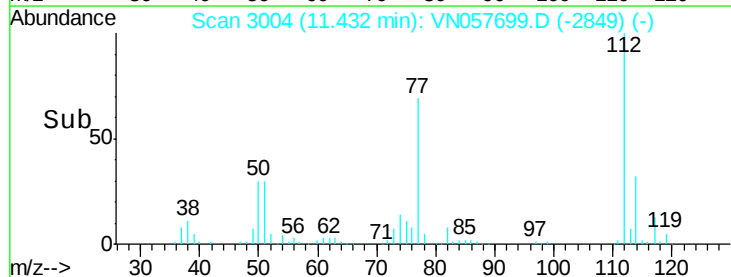
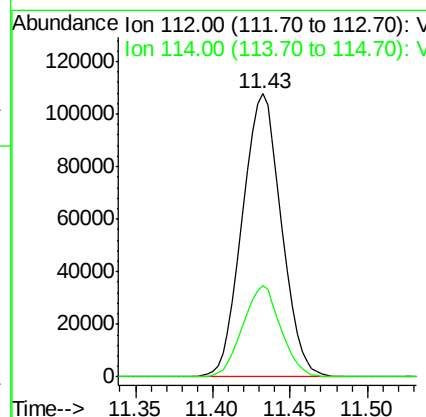
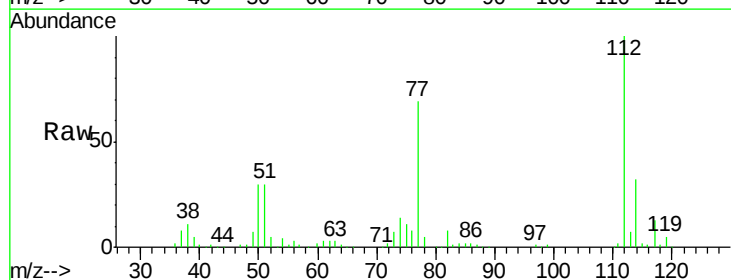
Manual Integrations
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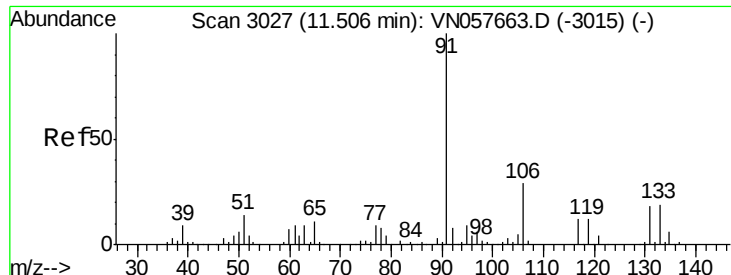
MMDadoda
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#64
Chlorobenzene
Concen: 20.044 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN057699.D
Acq: 5 Sep 2019 12:31

Tgt Ion: 112 Resp: 189111
Ion Ratio Lower Upper
112 100
114 32.1 26.2 39.4





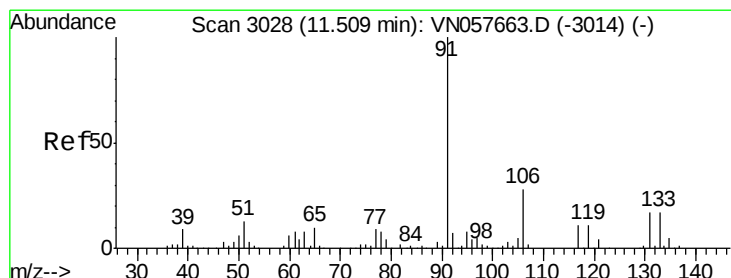
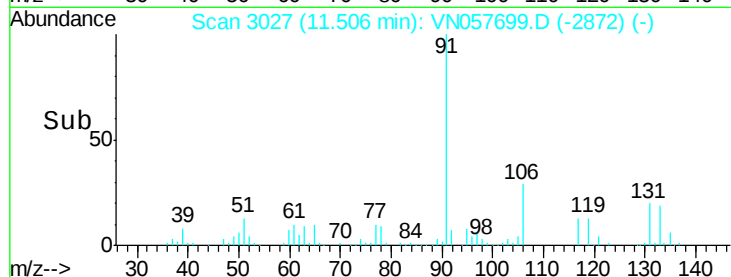
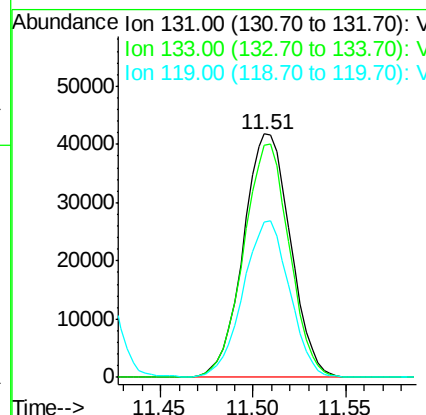
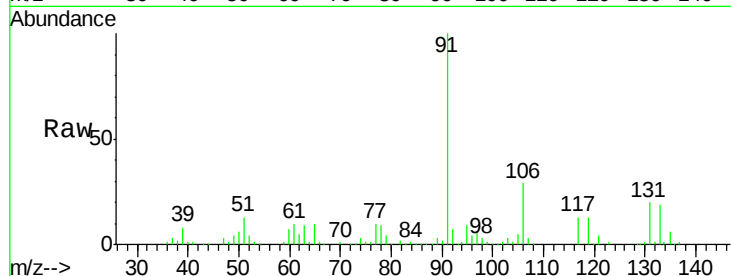
#65
 1,1,1,2-Tetrachloroethane
 Concen: 21.353 ug/l
 RT: 11.51 min Scan# 3027
 Delta R.T. -0.00 min
 Lab File: VN057699.D
 Acq: 5 Sep 2019 12:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0905WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
131	100	73805		
133	92.8	0.0	198.0	
119	63.1	0.0	129.8	

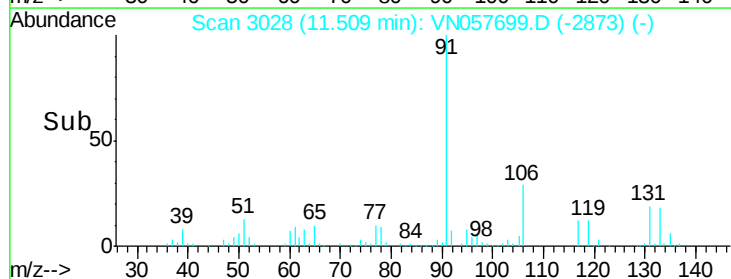
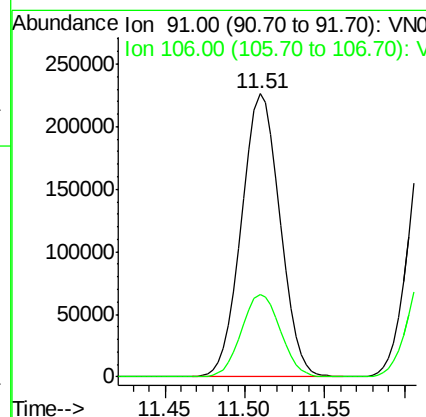
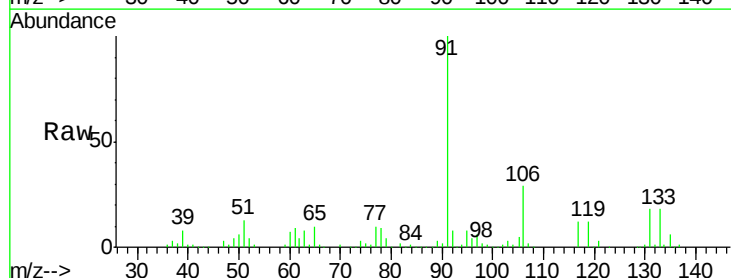
Manual Integrations
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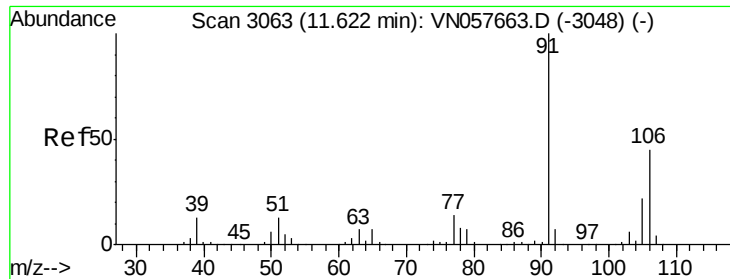
MMDadoda
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#66
 Ethyl Benzene
 Concen: 20.659 ug/l
 RT: 11.51 min Scan# 3028
 Delta R.T. -0.00 min
 Lab File: VN057699.D
 Acq: 5 Sep 2019 12:31

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	371053		
106	29.2	22.7	34.1	





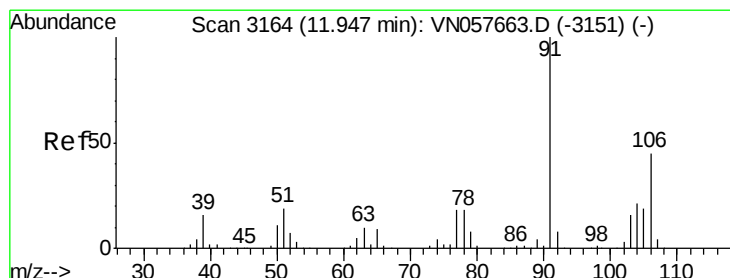
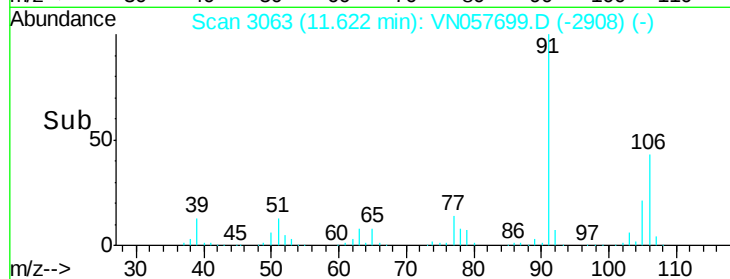
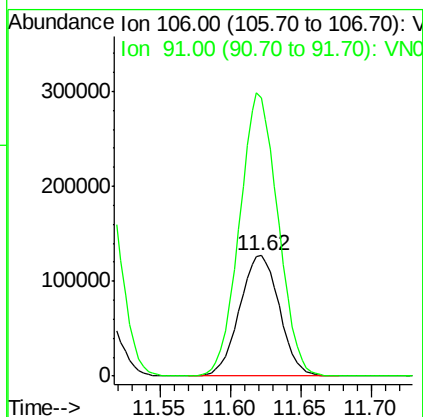
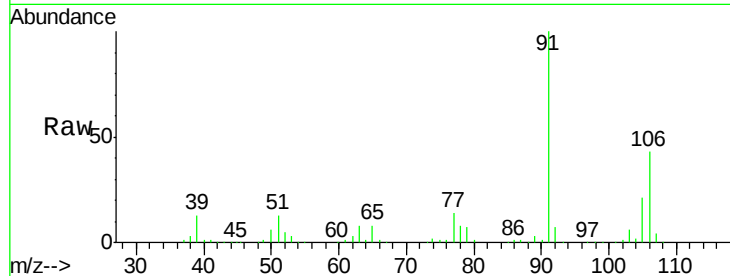
#67
m/p-Xvlenes
Concen: 39.909 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN057699.D
Acq: 5 Sep 2019 12:31

Instrument :
MSVOA_N
ClientSampleId :
VN0905WBSD01

Tot Ion:106 Resp: 251392
Ion Ratio Lower Upper
106 100
91 225.6 178.9 268.3

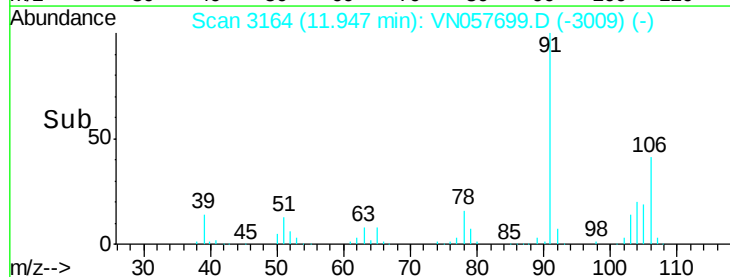
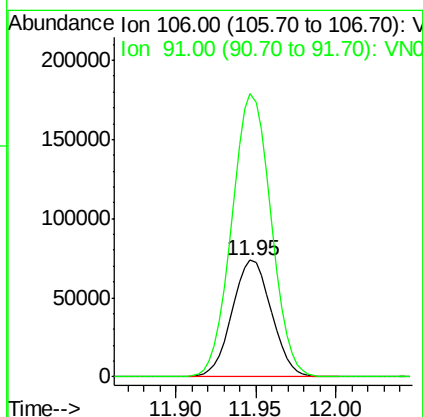
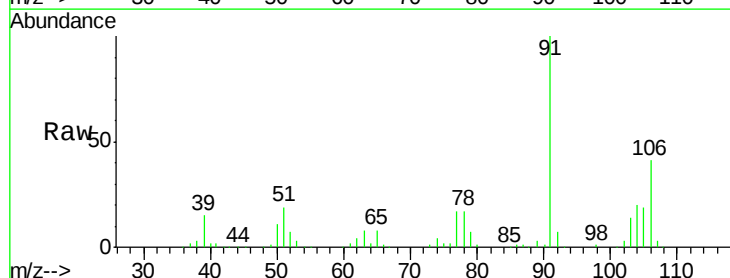
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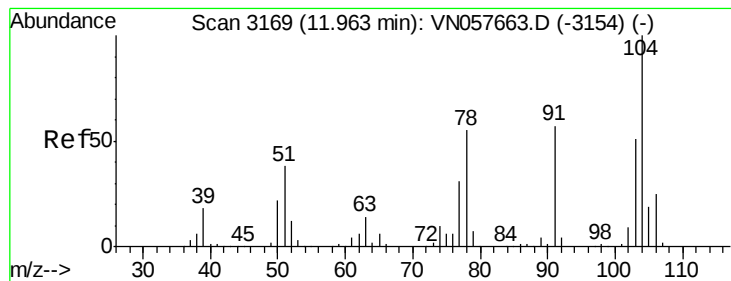
MMDadoda
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#68
o-Xylene
Concen: 19.766 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN057699.D
Acq: 5 Sep 2019 12:31

Tgt Ion:106 Resp: 123980
Ion Ratio Lower Upper
106 100
91 240.6 114.0 342.0





#69

Stvrene

Concen: 19.132 ug/l

RT: 11.96 min Scan# 3169

Delta R.T. -0.00 min

Lab File: VN057699.D

Acq: 5 Sep 2019 12:31

Instrument :

MSVOA_N

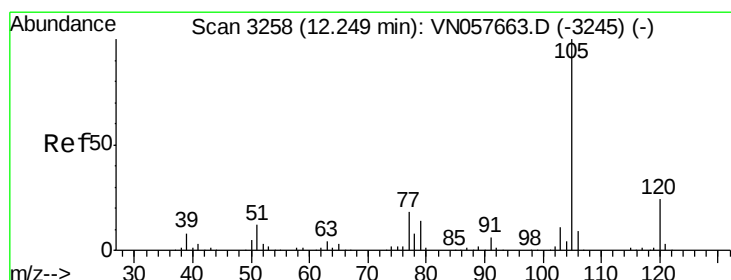
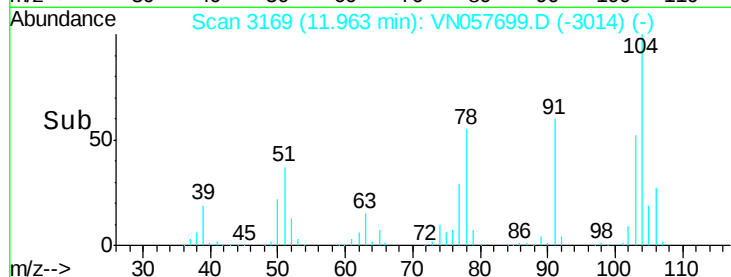
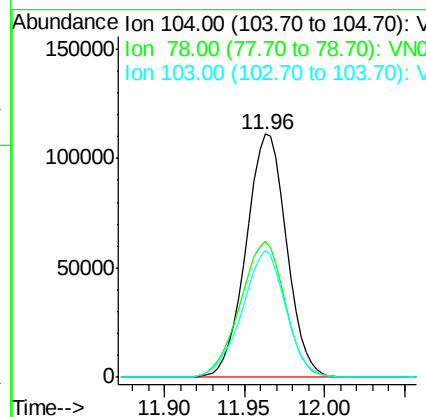
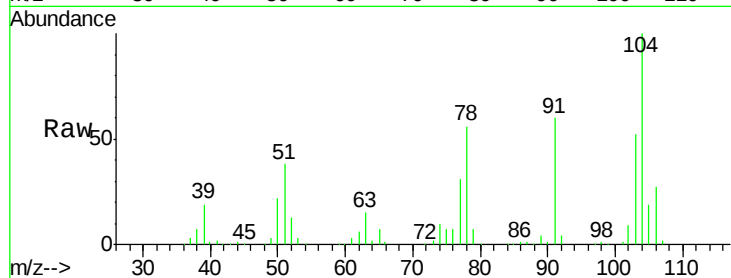
ClientSampleId :

VN0905WBSD01

Tot Ion:	104	Resp:	192342
Ion Ratio	Lower	Upper	
104	100		
78	61.7	49.0	73.6
103	56.4	44.9	67.3

Manual Integrations
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#70

Isopropylbenzene

Concen: 20.636 ug/l

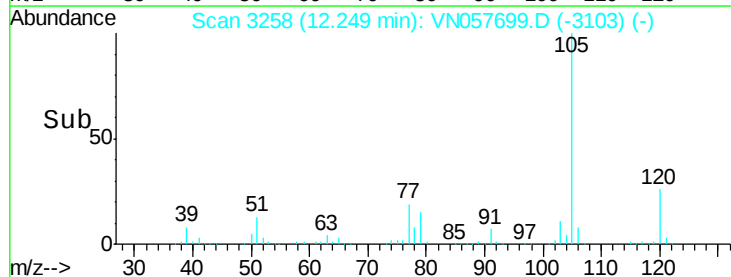
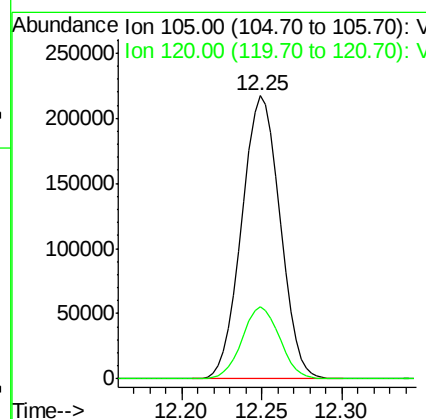
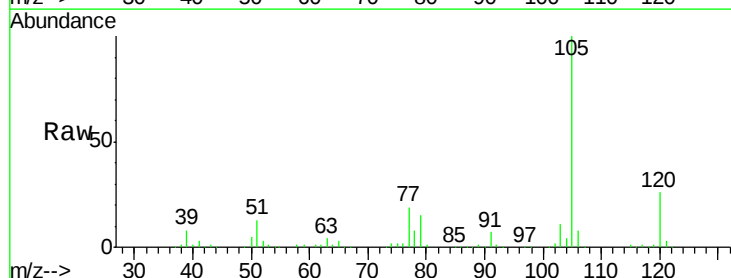
RT: 12.25 min Scan# 3258

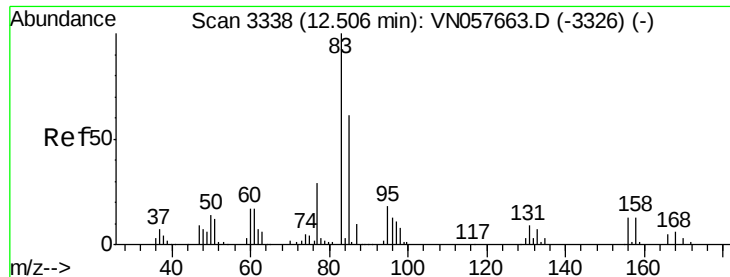
Delta R.T. -0.00 min

Lab File: VN057699.D

Acq: 5 Sep 2019 12:31

Tgt Ion:	105	Resp:	355034
Ion Ratio	Lower	Upper	
105	100		
120	25.0	17.2	32.0





#71

1,1,2,2-Tetrachloroethane

Concen: 21.569 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. -0.00 min

Lab File: VN057699.D

Acq: 5 Sep 2019 12:31

Instrument :

MSVOA_N

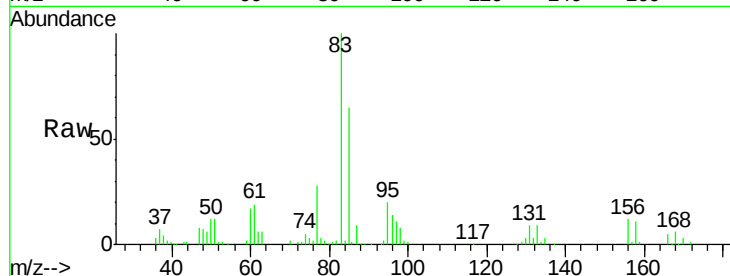
ClientSampleId :

VN0905WBSD01

Tot Ion:	83	Resp:	97636
Ion Ratio	Lower	Upper	
83	100		
131	9.9	5.0	14.9
85	65.1	31.7	95.1

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Abundance Ion 83.00 (82.70 to 83.70): VN057663.D (-3326) (-)

Ion 131.00 (130.70 to 131.70): VN057663.D (-3326) (-)

Ion 85.00 (84.70 to 85.70): VN057663.D (-3326) (-)

Time-->

12.51

60000

40000

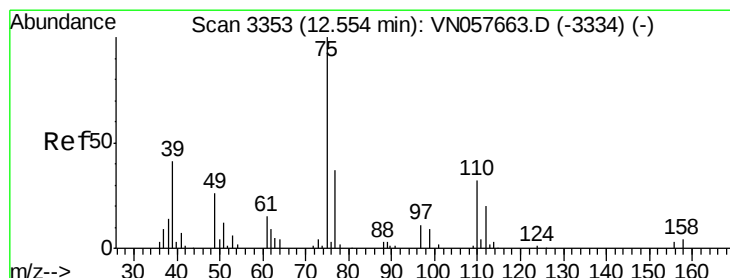
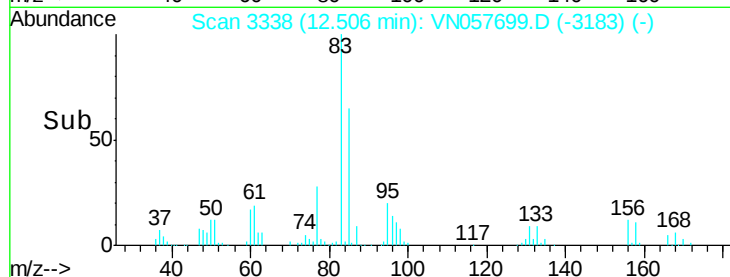
20000

0

12.45

12.50

12.55



#72

1,2,3-Trichloropropane

Concen: 20.373 ug/l m

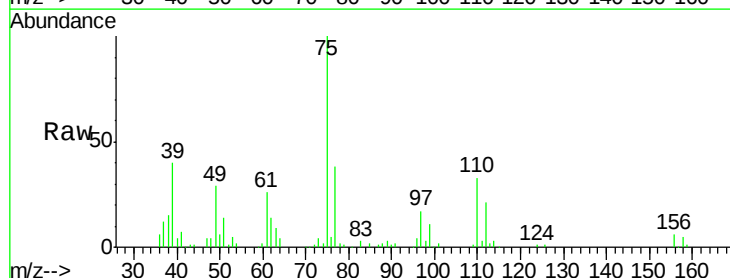
RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN057699.D

Acq: 5 Sep 2019 12:31

Tgt Ion:	75	Resp:	86729
Ion Ratio	Lower	Upper	
75	100		
77	198.0	0.0	405.6



Abundance Ion 75.00 (74.70 to 75.70): VN057663.D (-3334) (-)

Ion 77.00 (76.70 to 77.70): VN057663.D (-3334) (-)

Time-->

12.55

80000

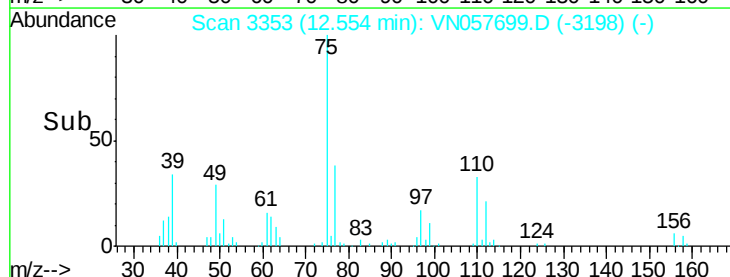
60000

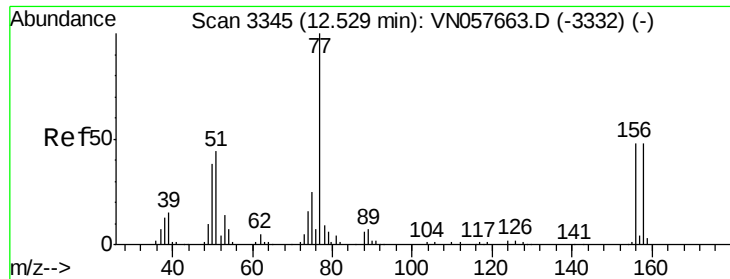
40000

20000

0

12.55





#73

Bromobenzene

Concen: 19.755 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN057699.D

Acq: 5 Sep 2019 12:31

Instrument :

MSVOA_N

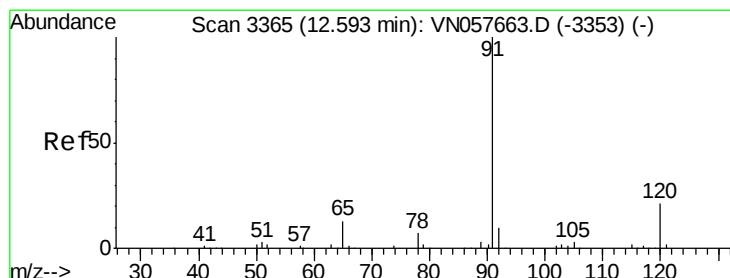
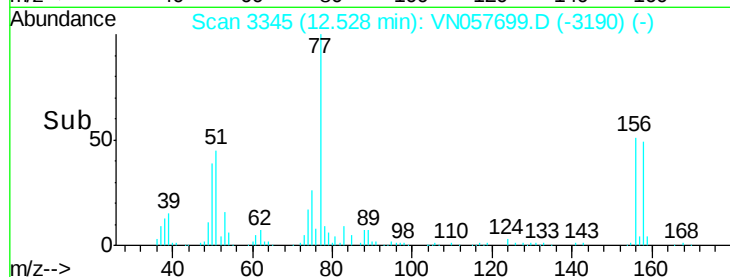
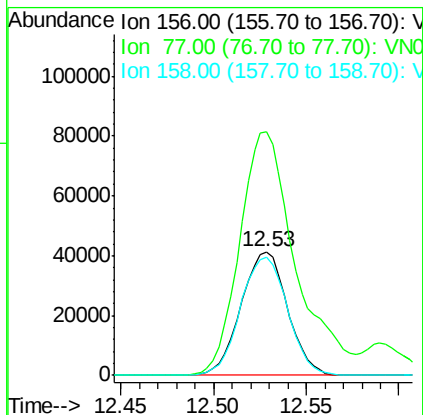
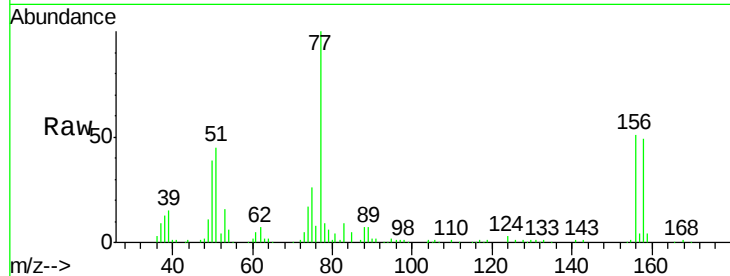
ClientSampleId :

VN0905WBSD01

Tot Ion:	156	Resp:	72024
Ion	Ratio	Lower	Upper
156	100		
77	238.5	0.0	495.6
158	97.5	0.0	197.8

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#74

n-propylbenzene

Concen: 19.235 ug/l

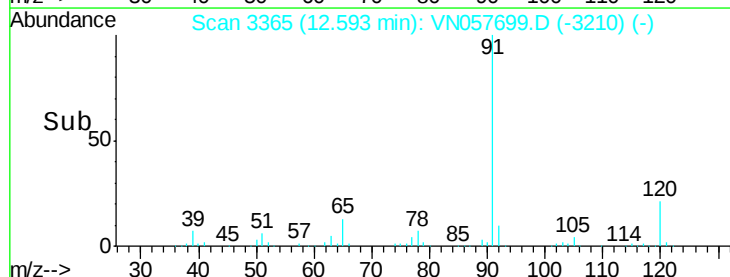
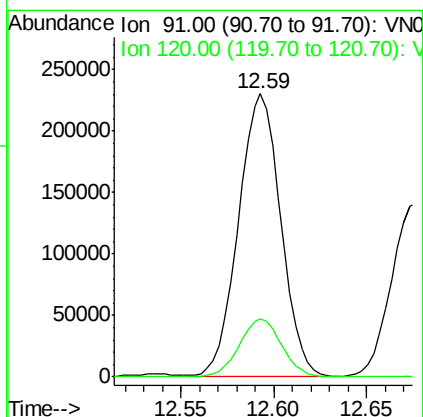
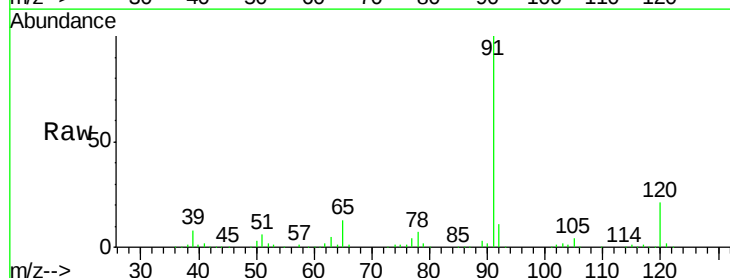
RT: 12.59 min Scan# 3365

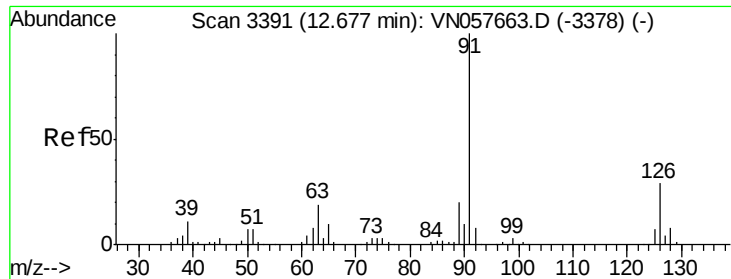
Delta R.T. -0.00 min

Lab File: VN057699.D

Acq: 5 Sep 2019 12:31

Tgt Ion:	91	Resp:	366333
Ion	Ratio	Lower	Upper
91	100		
120	20.6	0.0	40.4





#75

2-Chlorotoluene

Concen: 19.893 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. -0.00 min

Lab File: VN057699.D

Acq: 5 Sep 2019 12:31

Instrument :

MSVOA_N

ClientSampled :

VN0905WBSD01

Tot Ion: 91 Resp: 237181

Ion Ratio Lower Upper

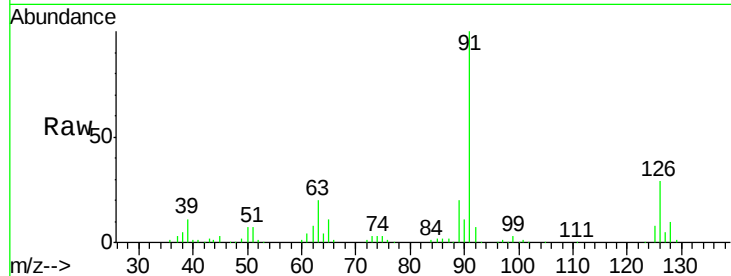
91 100

126 28.2 0.0 59.2

Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VN057663.D (-3378) (-)

Ion 126.00 (125.70 to 126.70): VN057663.D (-3378) (-)

250000

200000

150000

100000

50000

0

12.60

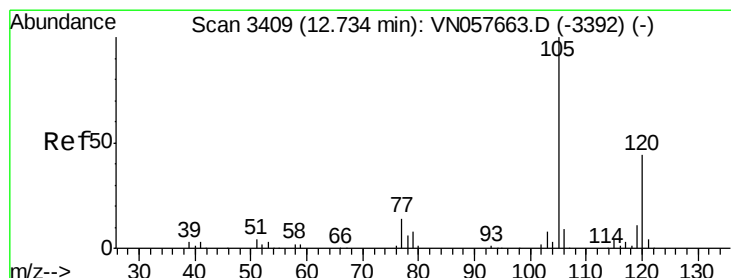
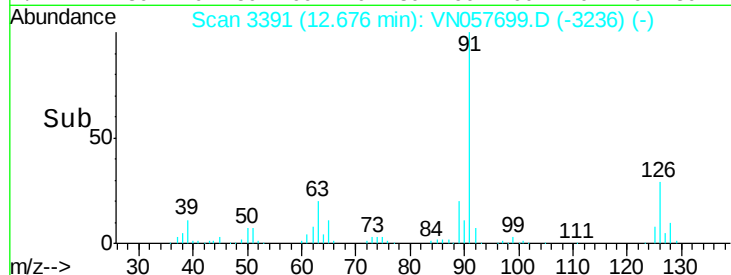
12.65

12.70

12.75

12.80

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 19.921 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN057699.D

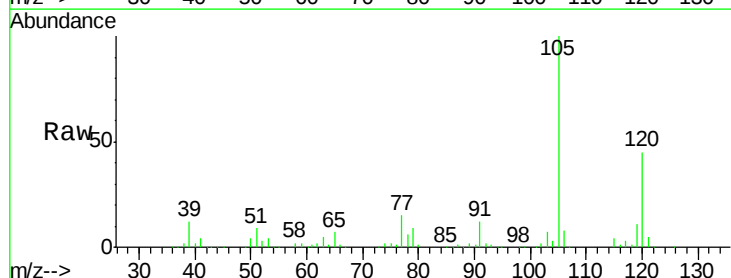
Acq: 5 Sep 2019 12:31

Tgt Ion: 105 Resp: 284515

Ion Ratio Lower Upper

105 100

120 44.5 0.0 91.0



Abundance Ion 105.00 (104.70 to 105.70): VN057663.D (-3392) (-)

Ion 120.00 (119.70 to 120.70): VN057663.D (-3392) (-)

200000

150000

100000

50000

0

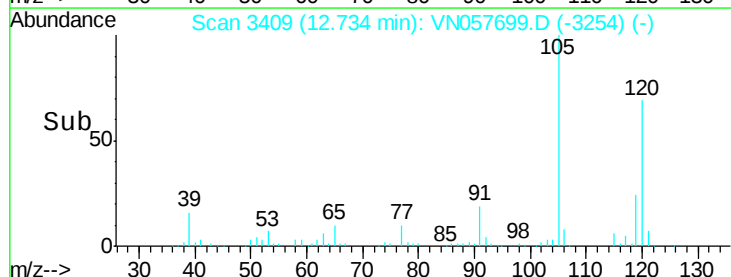
12.65

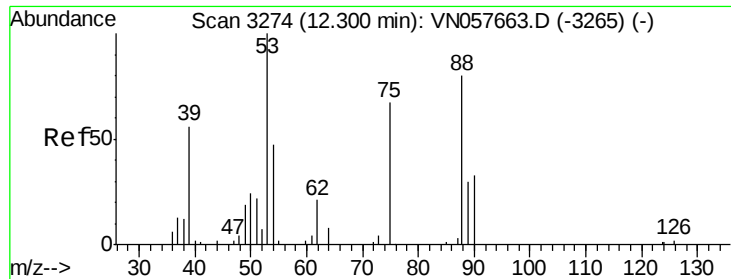
12.70

12.75

12.80

Time-->





#77

t-1,4-Dichloro-2-butene

Concen: 17.939 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN057699.D

Acq: 5 Sep 2019 12:31

Instrument :

MSVOA_N

ClientSampleId :

VN0905WBSD01

Tot Ion: 75 Resp: 23312

Ion Ratio Lower Upper

75 100

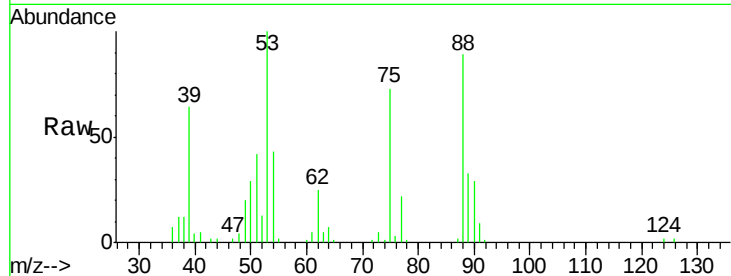
53 135.8 74.2 222.6

89 45.4 23.3 69.9

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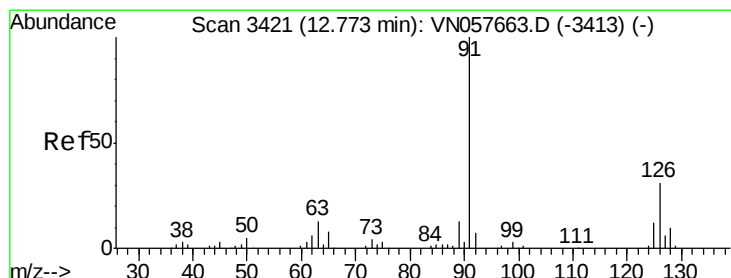
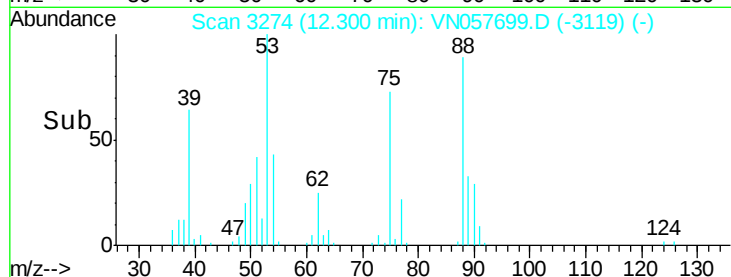
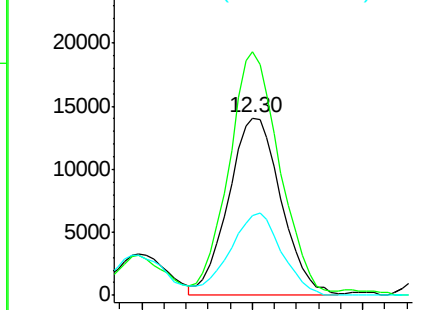
9/6/2019 8:26:27 AM



Abundance Ion 75.00 (74.70 to 75.70): VN057663.D (-3265) (-)

Ion 53.00 (52.70 to 53.70): VN057663.D (-3265) (-)

Ion 89.00 (88.70 to 89.70): VN057663.D (-3265) (-)



#78

4-Chlorotoluene

Concen: 18.559 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN057699.D

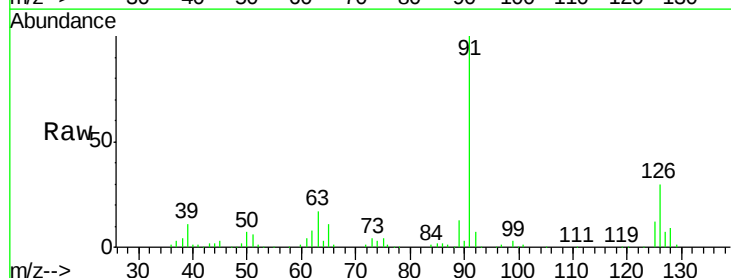
Acq: 5 Sep 2019 12:31

Tgt Ion: 91 Resp: 210233

Ion Ratio Lower Upper

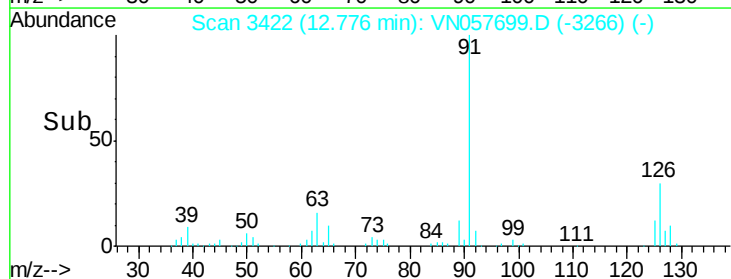
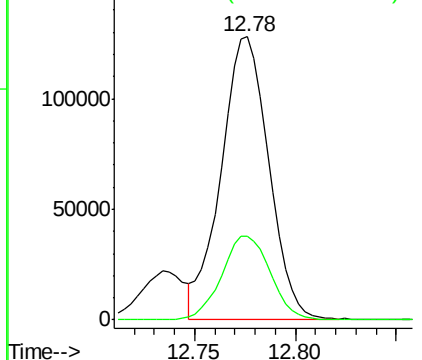
91 100

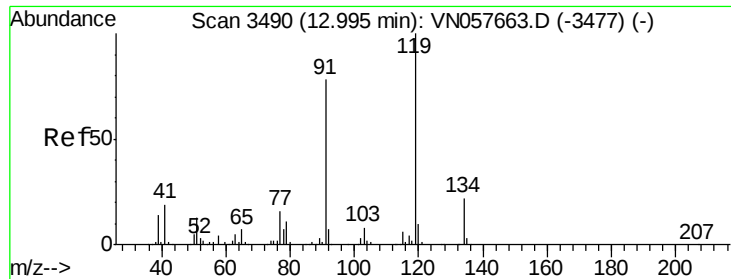
126 30.4 0.0 57.8



Abundance Ion 91.00 (90.70 to 91.70): VN057663.D (-3413) (-)

Ion 126.00 (125.70 to 126.70): VN057663.D (-3413) (-)





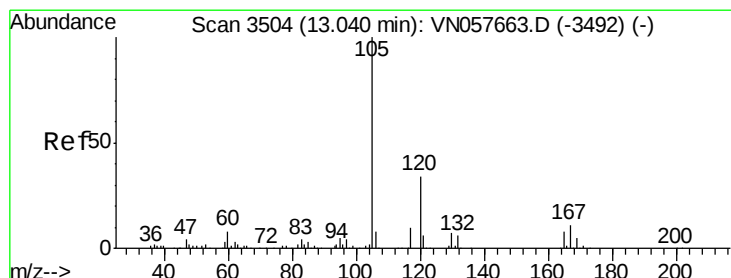
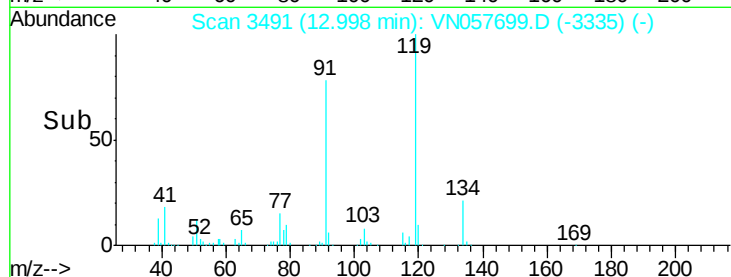
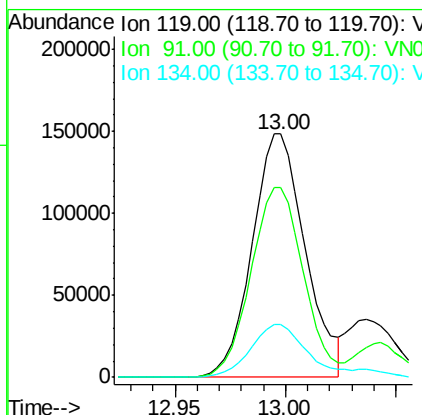
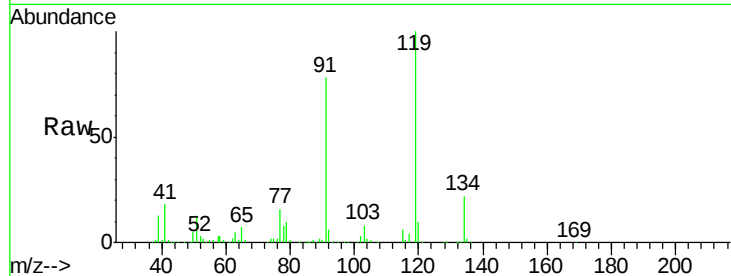
#79
tert-butylbenzene
Concen: 20.206 ug/l
RT: 13.00 min Scan# 3491
Delta R.T. 0.00 min
Lab File: VN057699.D
Acq: 5 Sep 2019 12:31

Instrument :
MSVOA_N
ClientSampleId :
VN0905WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	247858		
91	77.0	0.0	155.6	
134	23.1	0.0	48.2	

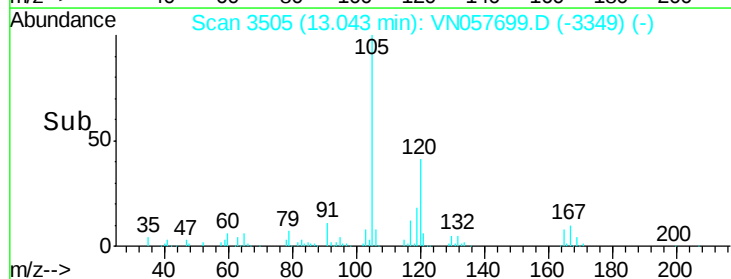
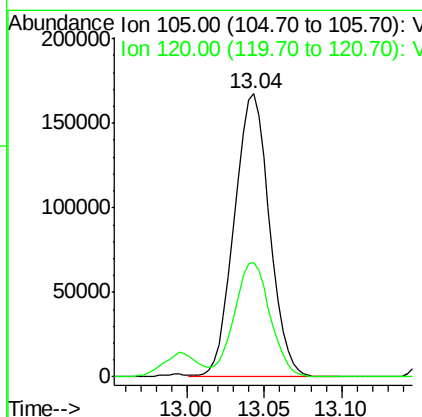
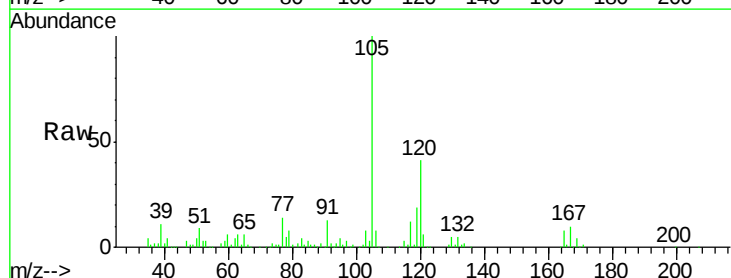
Manual Integrations
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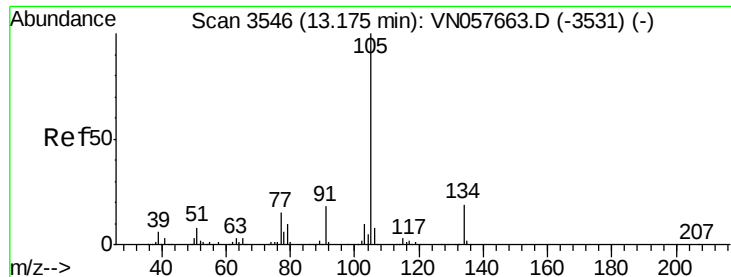
MMDadoda
9/6/2019 8:26:27 AM



#80
1,2,4-Trimethylbenzene
Concen: 19.753 ug/l
RT: 13.04 min Scan# 3505
Delta R.T. 0.00 min
Lab File: VN057699.D
Acq: 5 Sep 2019 12:31

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	265077		
120	41.1	0.0	83.4	





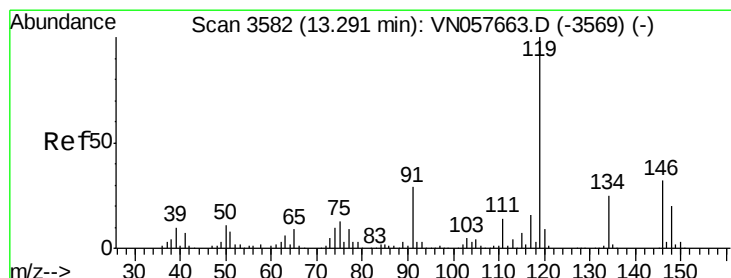
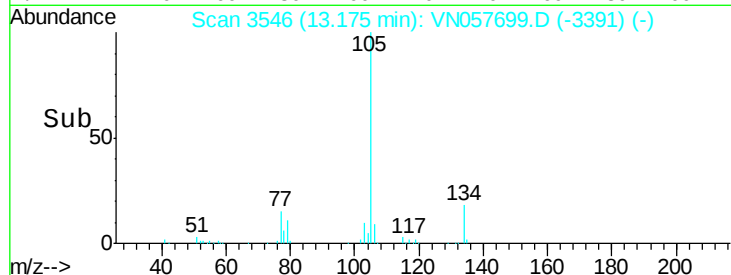
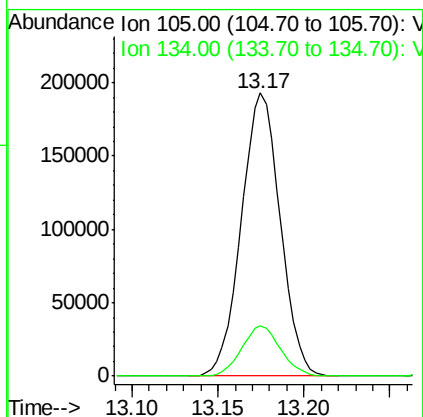
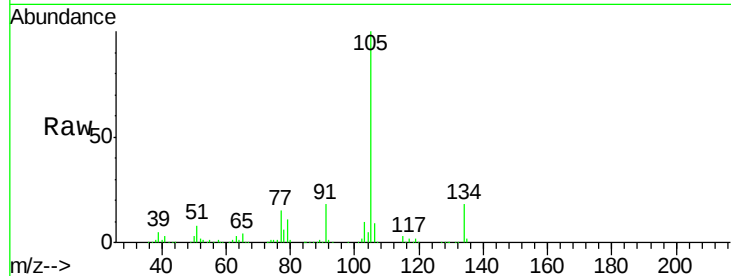
#81
 sec-Butylbenzene
 Concen: 19.173 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. -0.00 min
 Lab File: VN057699.D
 Acq: 5 Sep 2019 12:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0905WBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
134	17.9	0.0	36.2

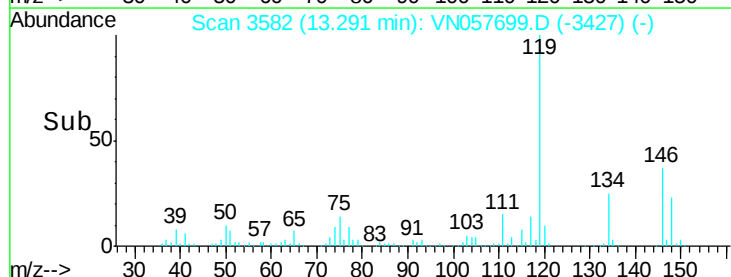
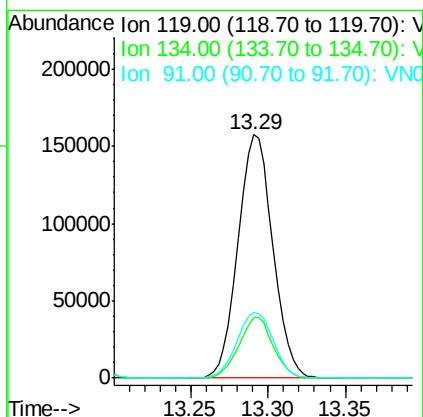
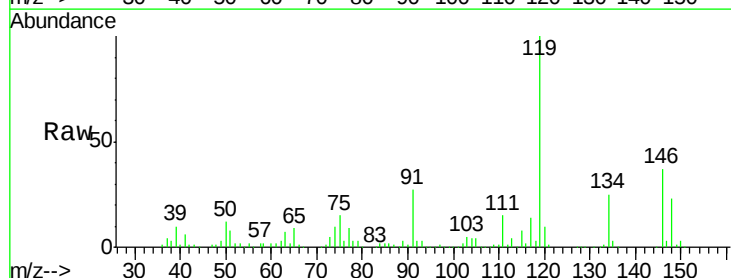
Manual Integrations
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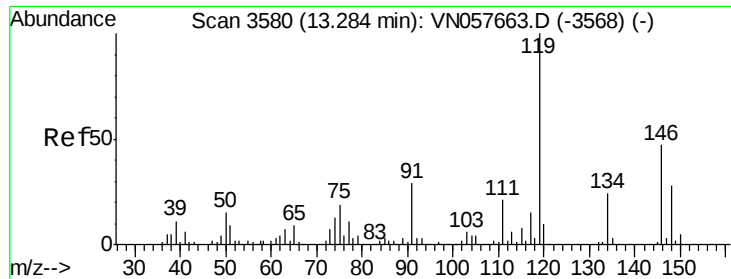
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 9/6/2019 8:26:27 AM



#82
 p-Isopropyltoluene
 Concen: 18.291 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN057699.D
 Acq: 5 Sep 2019 12:31

Tgt Ion	Ratio	Lower	Upper
119	100		
134	24.6	0.0	49.6
91	28.3	0.0	56.2





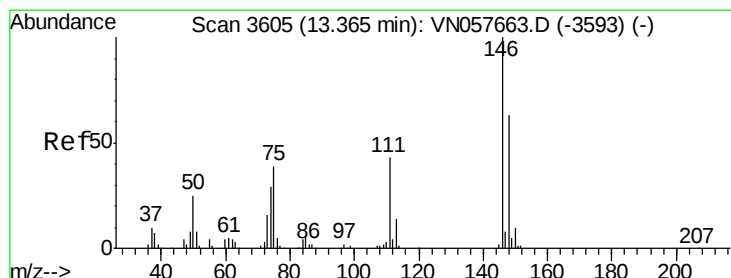
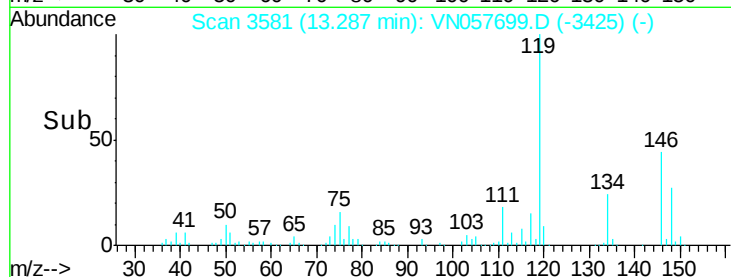
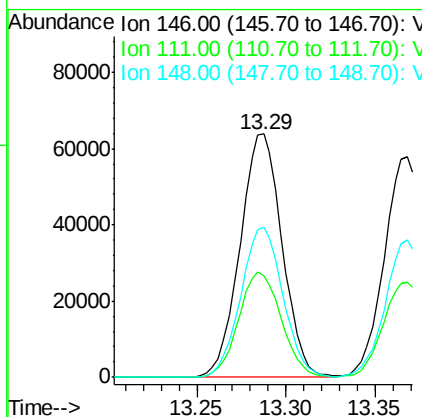
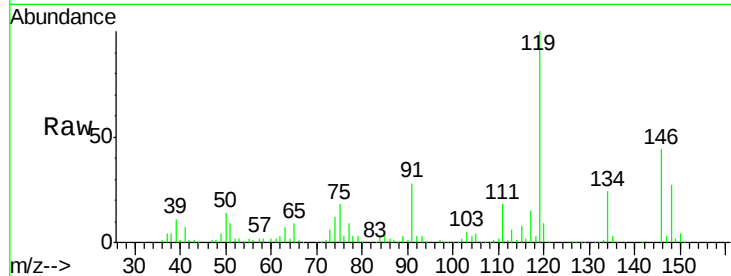
#83
 1,3-Dichlorobenzene
 Concen: 19.210 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN057699.D
 Acq: 5 Sep 2019 12:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0905WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.6	22.1	66.3
148	61.8	31.3	93.9

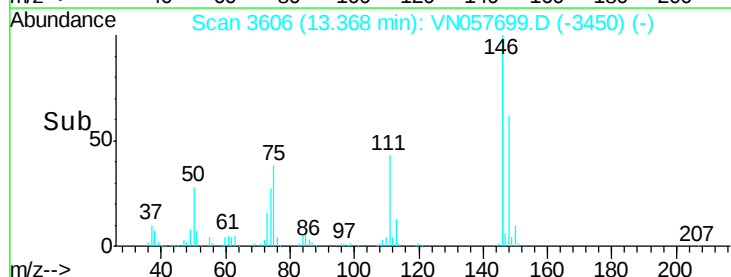
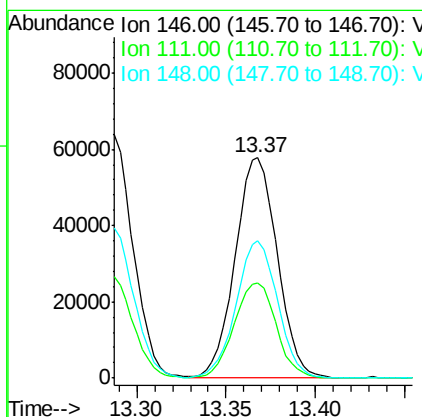
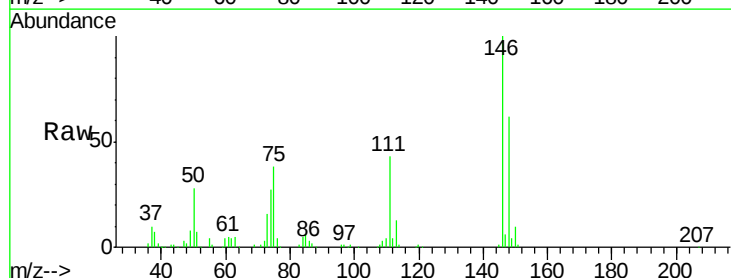
Manual Integrations
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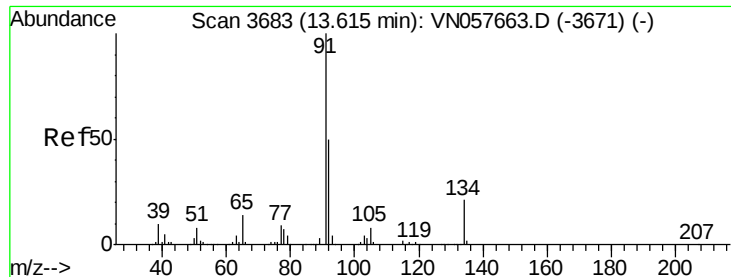
MMDadoda
 9/6/2019 8:26:27 AM



#84
 1,4-Dichlorobenzene
 Concen: 18.514 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN057699.D
 Acq: 5 Sep 2019 12:31

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.2	21.3	63.9
148	61.2	31.0	93.0





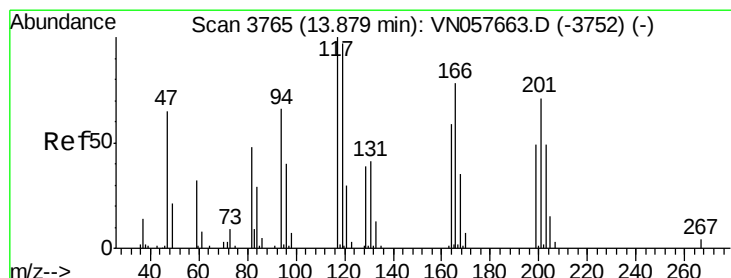
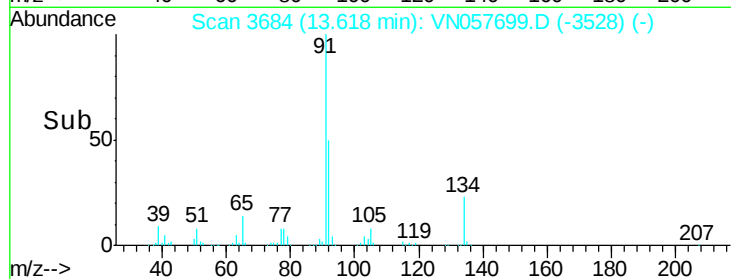
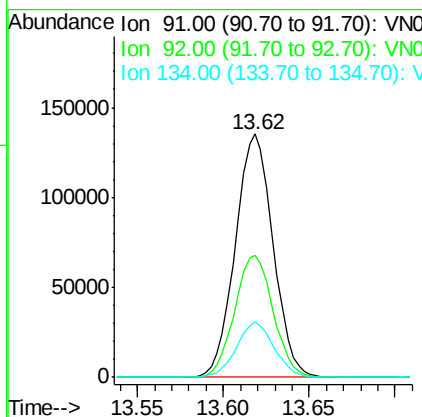
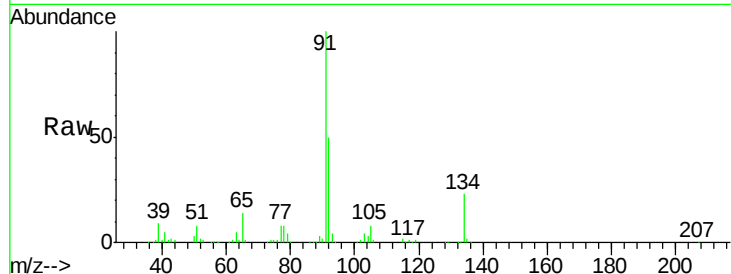
#85
n-Butylbenzene
Concen: 17.470 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. 0.00 min
Lab File: VN057699.D
Acq: 5 Sep 2019 12:31

Instrument :
MSVOA_N
ClientSampleId :
VN0905WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	206163		
92	51.0		0.0	100.2
134	22.6		0.0	43.8

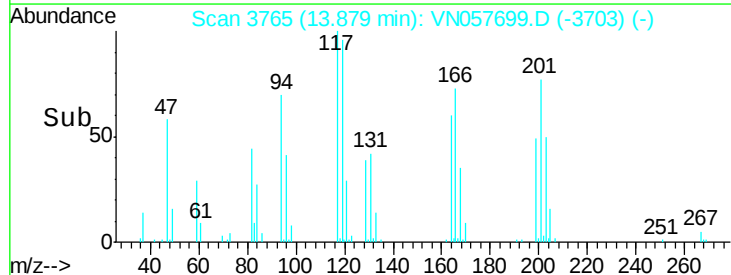
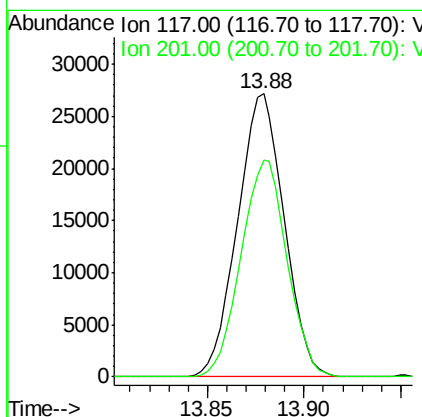
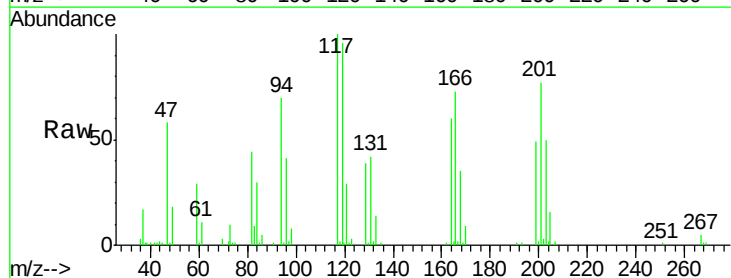
Manual Integrations
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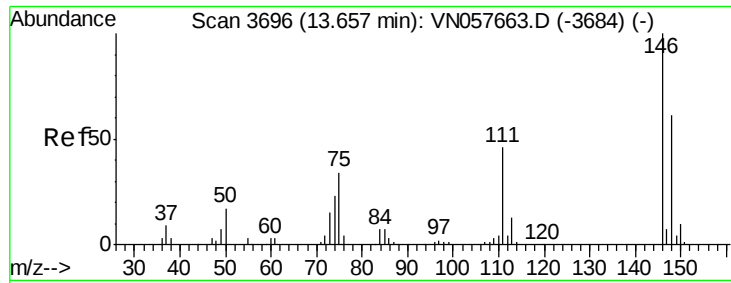
MMDadoda
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#86
Hexachloroethane
Concen: 18.728 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. -0.00 min
Lab File: VN057699.D
Acq: 5 Sep 2019 12:31

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	45499		
201	75.5		34.1	102.2





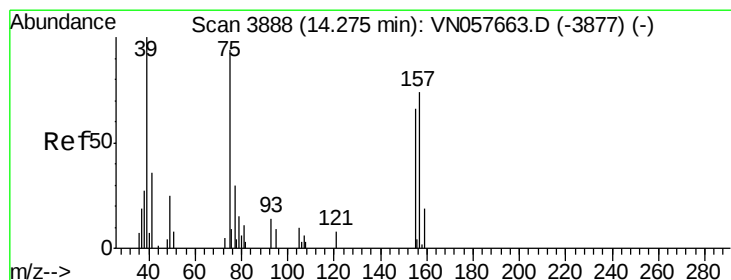
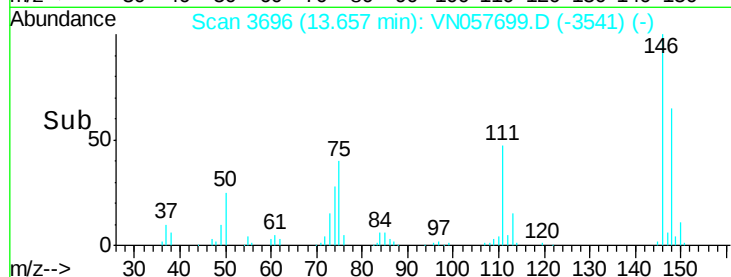
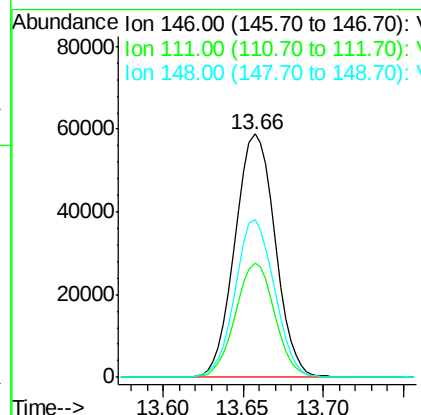
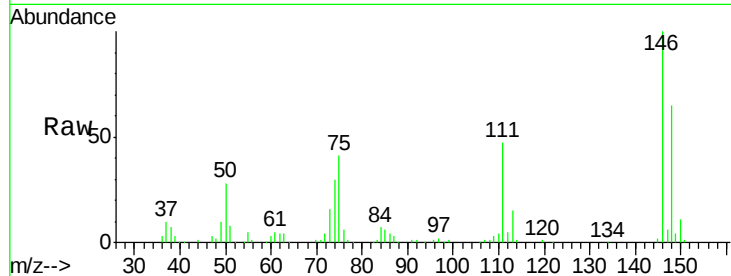
#87
 1,2-Dichlorobenzene
 Concen: 20.035 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. -0.00 min
 Lab File: VN057699.D
 Acq: 5 Sep 2019 12:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0905WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100			
111	45.8	22.6	67.7	
148	63.3	31.3	93.9	

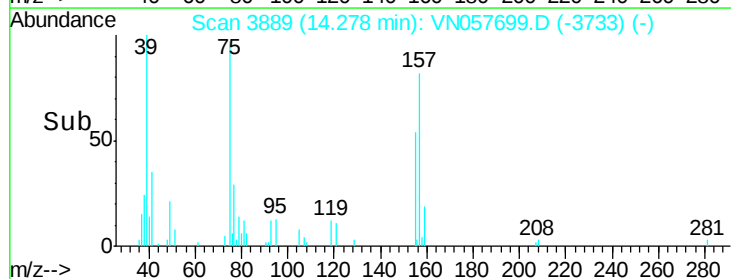
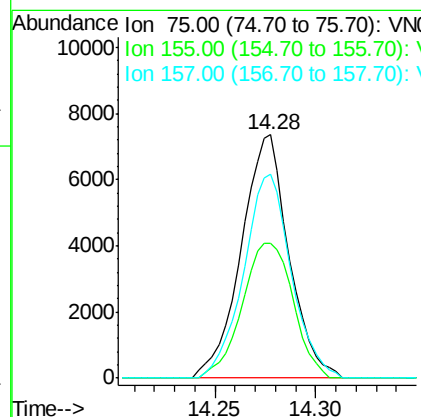
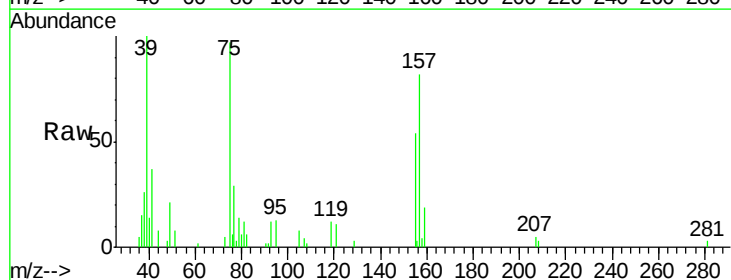
Manual Integrations
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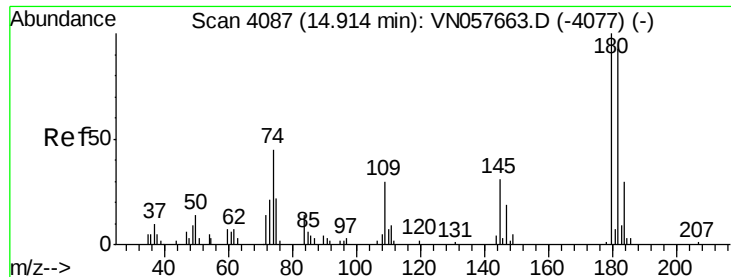
MMDadoda
 9/6/2019 8:26:27 AM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 18.363 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN057699.D
 Acq: 5 Sep 2019 12:31

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
155	59.0	54.6	82.0	
157	83.5	65.5	98.3	





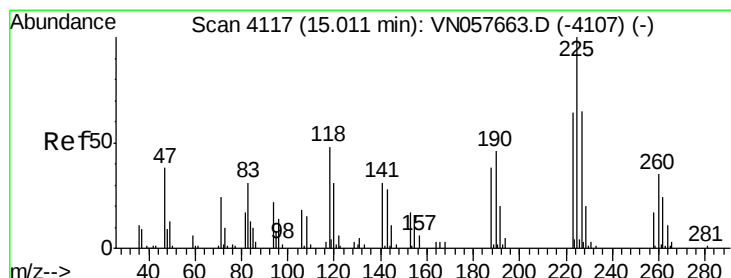
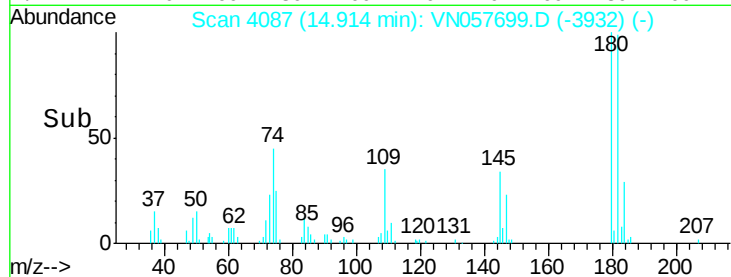
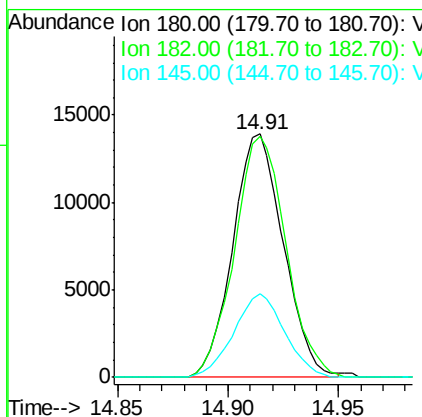
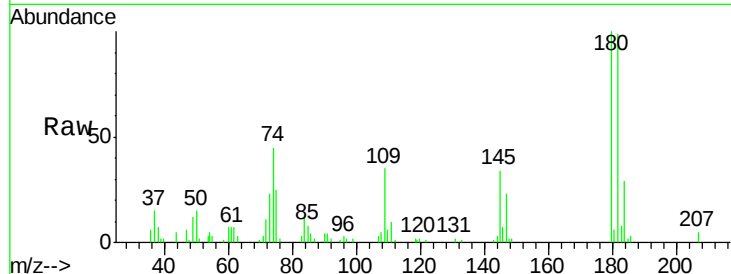
#89
 1,2,4-Trichlorobenzene
 Concen: 12.740 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN057699.D
 Acq: 5 Sep 2019 12:31

Instrument :
 MSVOA_N
 ClientSampled :
 VN0905WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	100.5	77.4	116.2
145	34.4	25.1	37.7

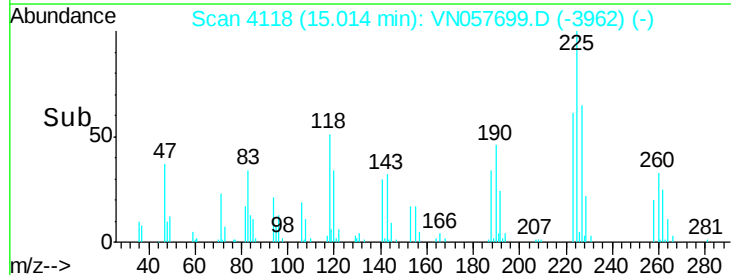
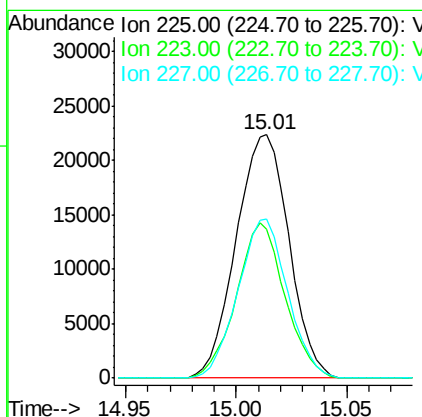
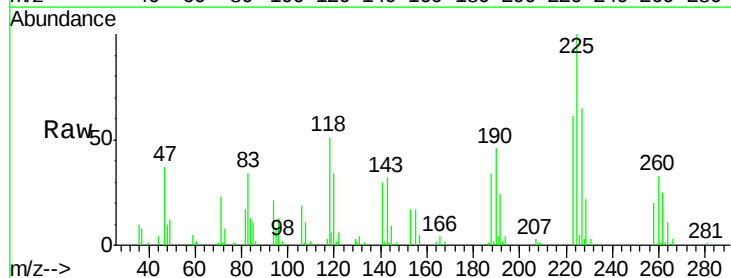
Manual Integrations
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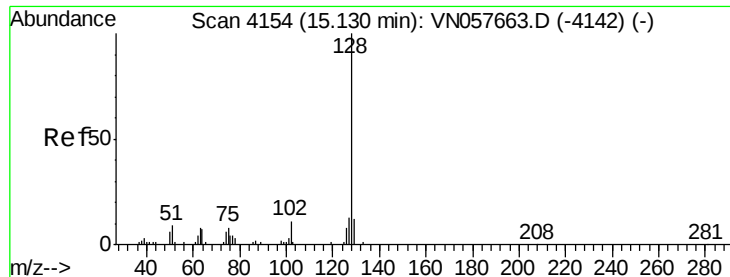
MMDadoda
 9/6/2019 8:26:27 AM



#90
 Hexachlorobutadiene
 Concen: 19.198 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN057699.D
 Acq: 5 Sep 2019 12:31

Tgt Ion	Ratio	Lower	Upper
225	100		
223	58.8	0.0	131.0
227	61.5	0.0	128.6





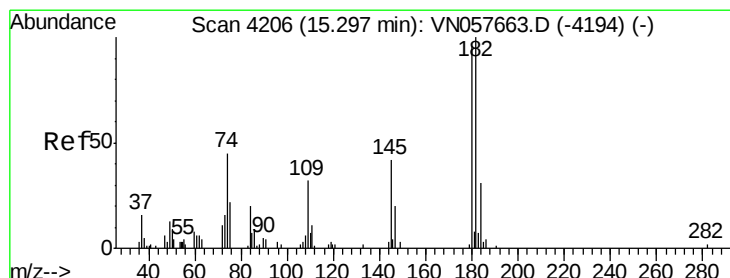
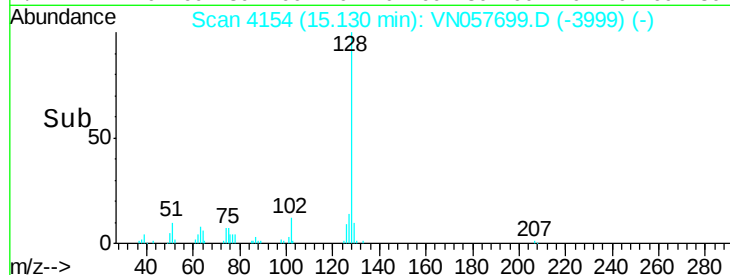
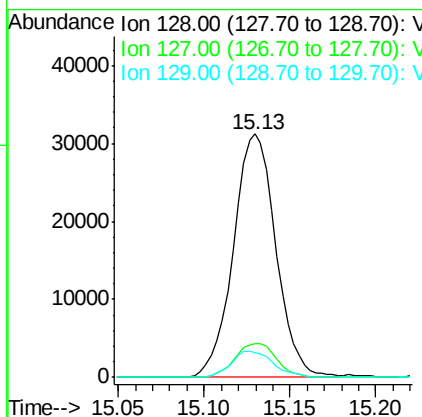
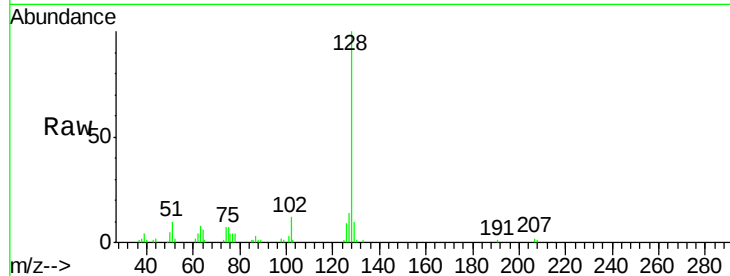
#91
Naphthalene
Concen: 11.857 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. -0.00 min
Lab File: VN057699.D
Acq: 5 Sep 2019 12:31

Instrument :
MSVOA_N
ClientSampleId :
VN0905WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	53748		
127	13.7		10.3	15.5
129	10.5		9.1	13.7

Manual Integrations
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#92
1,2,3-Trichlorobenzene
Concen: 13.324 ug/l
RT: 15.30 min Scan# 4206
Delta R.T. -0.00 min
Lab File: VN057699.D
Acq: 5 Sep 2019 12:31

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	22597		
182	96.0		0.0	199.4
145	33.1		0.0	73.2

