

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030119\
 Data File : VN054017.D
 Acq On : 1 Mar 2019 9:16
 Operator : JC/SP
 Sample : VSTDICCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Manual Integrations
 APPROVED

MMDadoda
 3/6/2019 10:23:12 AM

Quant Time: Mar 01 09:50:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N030119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Mar 01 09:46:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	114632	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	623741	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	539925	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	243040	33.37	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	111.23%
60) 4-Bromofluorobenzene	12.40	95	244996	29.65	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.83%
63) Toluene-d8	10.09	98	793603	32.63	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	108.77%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	132125	17.299 ug/l	98
3) Chloromethane	2.06	50	173817	19.390 ug/l	100
4) Vinyl Chloride	2.19	62	174001	19.725 ug/l	98
5) Bromomethane	2.57	94	106301	18.691 ug/l	98
6) Chloroethane	2.71	64	102552	20.182 ug/l	98
7) Trichlorofluoromethane	3.02	101	213011	19.554 ug/l	97
8) Diethyl Ether	3.41	74	79931	19.749 ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	135713	19.828 ug/l	99
10) 1,1-Dichloroethene	3.74	96	127102	19.029 ug/l	99
11) Methyl Iodide	3.95	142	184224	18.834 ug/l	99
12) Methyl Acetate	4.32	43	102128	19.617 ug/l	97
13) Acrolein	3.60	56	55917	89.963 ug/l	99
14) Acrylonitrile	4.99	53	250044	107.361 ug/l	97
15) Acetone	3.81	58	79236	160.081 ug/l	96
16) Carbon Disulfide	4.06	76	403264	19.626 ug/l	100
17) Allyl chloride	4.32	41	224708	21.385 ug/l	99
18) Methylene Chloride	4.55	84	149055	19.499 ug/l	97
19) trans-1,2-Dichloroethene	5.04	96	137232	19.441 ug/l	98
20) Diisopropyl ether	5.95	45	443365	19.703 ug/l	94
21) 1,1-Dichloroethane	5.85	63	264185	20.164 ug/l	100
22) cis-1,2-Dichloroethene	6.83	96	153232	19.271 ug/l #	86
23) tert-Butyl Alcohol	4.78	59	43775	111.497 ug/l #	100
24) Methyl tert-Butyl Ether	5.04	73	332425	19.086 ug/l	98
25) Chloroform	7.37	83	258651	20.538 ug/l	100
26) Cyclohexane	7.65	56	237569	19.440 ug/l #	99
29) 1,1-Dichloropropene	7.79	75	193807	20.513 ug/l	100
30) 2-Butanone	6.83	43	304922	129.360 ug/l	100
31) 2,2-Dichloropropane	6.82	77	192028	20.994 ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	211222	21.337 ug/l	99
33) Carbon Tetrachloride	7.77	117	188566	21.761 ug/l	99
34) Benzene	8.04	78	585438	20.618 ug/l	97
35) Methacrylonitrile	7.18	41	73816	24.268 ug/l	90
36) 1,2-Dichloroethane	8.12	62	189501	22.989 ug/l	100
37) Trichloroethene	8.83	130	150653	19.585 ug/l	98
38) Methylcyclohexane	9.08	83	222229	20.110 ug/l	98
39) 1,2-Dichloropropane	9.12	63	161744	21.814 ug/l	98
40) Dibromomethane	9.21	93	91208	21.751 ug/l	99

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

41) Bromodichloromethane	9.40	83	192683	21.397	ug/l	98
42) Vinyl Acetate	5.90	43	1544711	120.118	ug/l	100
43) Ethyl Acetate	6.93	43	137504	26.121	ug/l #	73
44) Isopropyl Acetate	8.16	43	219652	22.400	ug/l	95
45) 1,4-Dioxane	9.20	88	26926	449.041	ug/l	98
46) Methyl methacrylate	9.20	41	101957	20.582	ug/l	97
47) n-amyl Acetate	12.07	43	151090	17.545	ug/l	98
48) t-1,3-Dichloropropene	10.38	75	184490	20.073	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	222781	20.585	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	130024	21.627	ug/l	99
51) Ethyl methacrylate	10.43	69	144464	18.437	ug/l	99
52) 1,3-Dichloropropane	10.71	76	220393	21.280	ug/l	99
53) Dibromochloromethane	10.90	129	138117	20.454	ug/l	98
54) 1,2-Dibromoethane	11.00	107	121067	19.961	ug/l	98
55) 2-Chloroethyl vinyl ether	9.70	63	328446	73.039	ug/l	99
56) Bromoform	12.13	173	90398	19.570	ug/l	99
58) 4-Methyl-2-Pentanone	9.99	43	596061	115.854	ug/l	97
59) 2-Hexanone	10.75	43	384562	108.270	ug/l	98
61) Tetrachloroethene	10.63	164	157584	19.750	ug/l	96
62) Toluene	10.16	91	611597	20.654	ug/l	99
64) Chlorobenzene	11.43	112	365902	19.692	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	134075	20.569	ug/l	99
66) Ethyl Benzene	11.51	91	627264	19.534	ug/l	99
67) m/p-Xylenes	11.62	106	482757	39.751	ug/l	100
68) o-Xylene	11.95	106	230298	19.569	ug/l	99
69) Styrene	11.96	104	365880	19.047	ug/l	99
70) Isopropylbenzene	12.25	105	610978	19.732	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	147315	22.601	ug/l	100
72) 1,2,3-Trichloropropane	12.55	75	113151m	19.824	ug/l	
73) Bromobenzene	12.53	156	151960	19.092	ug/l	98
74) n-propylbenzene	12.59	91	723357	20.637	ug/l	99
75) 2-Chlorotoluene	12.67	91	423801	20.416	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	518530	21.111	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	36739	18.318	ug/l	97
78) 4-Chlorotoluene	12.77	91	424393	20.084	ug/l	98
79) tert-butylbenzene	12.99	119	449824	20.999	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	515932	20.958	ug/l	100
81) sec-Butylbenzene	13.17	105	619153	21.827	ug/l	99
82) p-Isopropyltoluene	13.29	119	526293	21.471	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	265266	19.574	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	251871	19.066	ug/l	99
85) n-Butylbenzene	13.62	91	437310	21.939	ug/l	99
86) Hexachloroethane	13.87	117	93990	24.017	ug/l	99
87) 1,2-Dichlorobenzene	13.65	146	259754	20.628	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	21113	22.650	ug/l	96
89) 1,2,4-Trichlorobenzene	14.91	180	117019	19.146	ug/l	99
90) Hexachlorobutadiene	15.01	225	95570	25.833	ug/l	99
91) Naphthalene	15.13	128	219804	16.950	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	120790	22.151	ug/l	97

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MSVOA_N
ClientSampleId :
VSTDICCC020

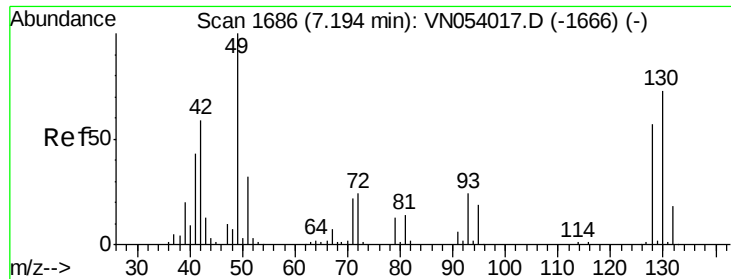
Manual Integrations
APPROVED

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



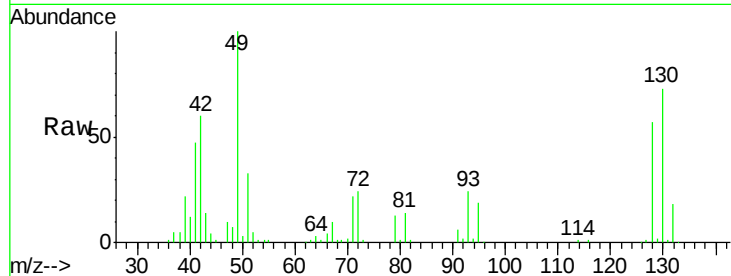
#1
 Bromochloromethane
 Concen: 30.000 ug/l
 RT: 7.19 min Scan# 1686
 Delta R.T. 0.00 min
 Lab File: VN054017.D
 Acq: 1 Mar 2019 9:16

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC020

Tot Ion	Ratio	Resp	Lower	Upper
128	100	114632		
49	179.3	0.0	431.8	
130	131.5	0.0	317.0	

Manual Integrations
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 3/6/2019 10:23:12 AM

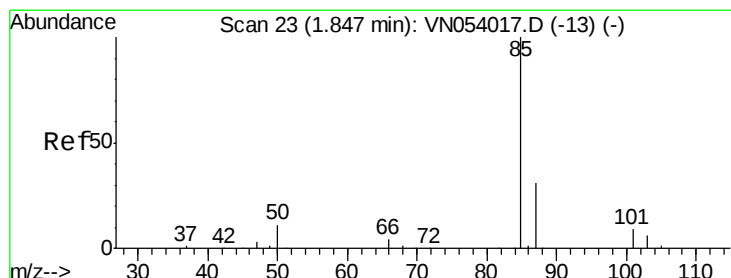
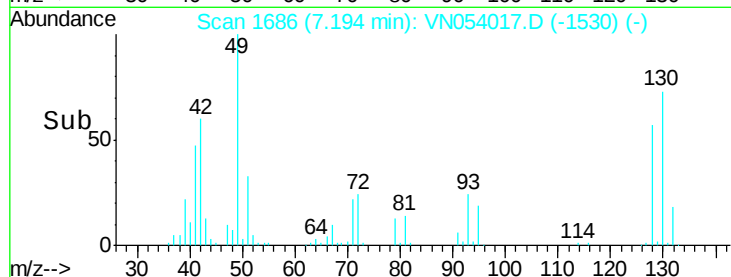
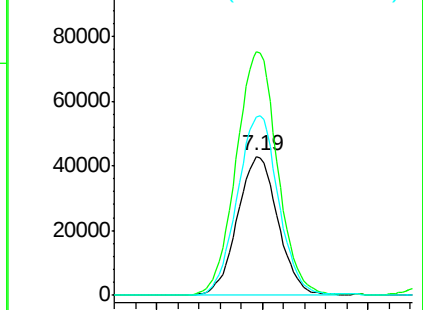


Abundance

Ion 128.00 (127.70 to 128.70): V

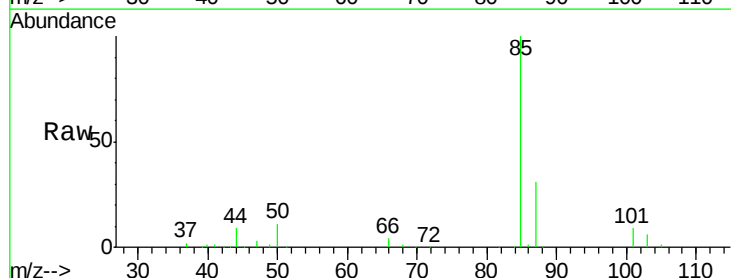
Ion 49.00 (48.70 to 49.70): VN

Ion 130.00 (129.70 to 130.70): V



#2
 Dichlorodifluoromethane
 Concen: 17.299 ug/l
 RT: 1.85 min Scan# 23
 Delta R.T. 0.00 min
 Lab File: VN054017.D
 Acq: 1 Mar 2019 9:16

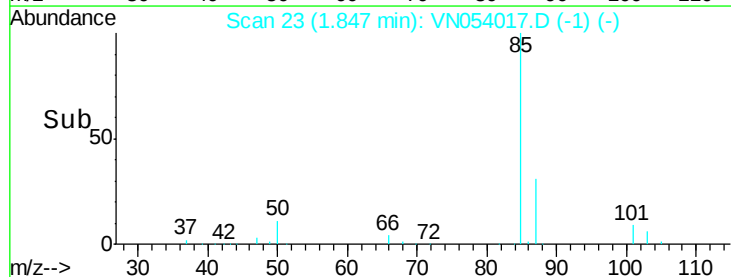
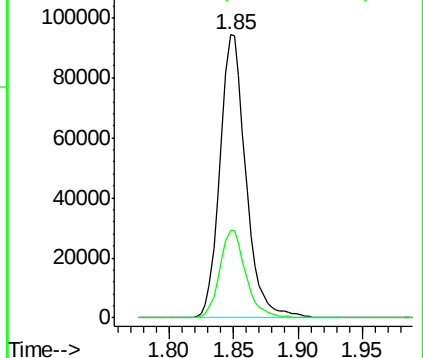
Tgt Ion	Ratio	Resp	Lower	Upper
85	100	132125		
87	31.1	16.1	48.3	

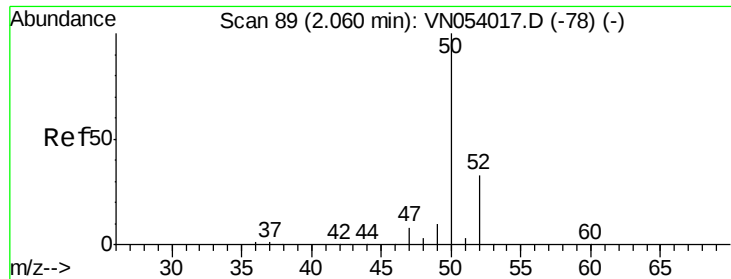


Abundance

Ion 85.00 (84.70 to 85.70): VN

Ion 87.00 (86.70 to 87.70): VN





#3

Chloromethane

Concen: 19.390 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN054017.D

Acq: 1 Mar 2019 9:16

Tot Ion: 50 Resp: 173817

Ion Ratio Lower Upper

50 100

52 33.3 26.5 39.7

Instrument :

MSVOA_N

ClientSampled :

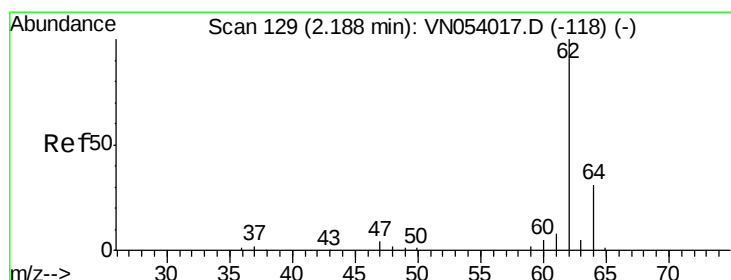
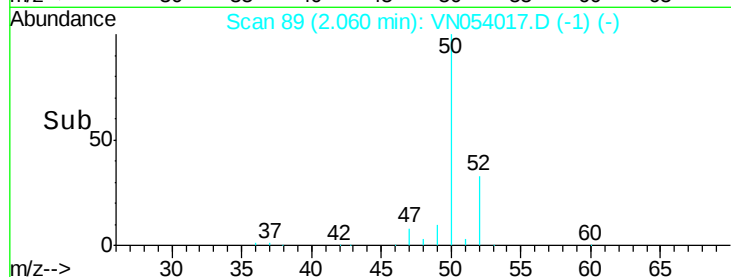
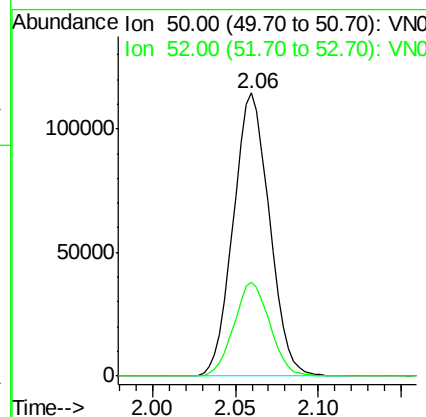
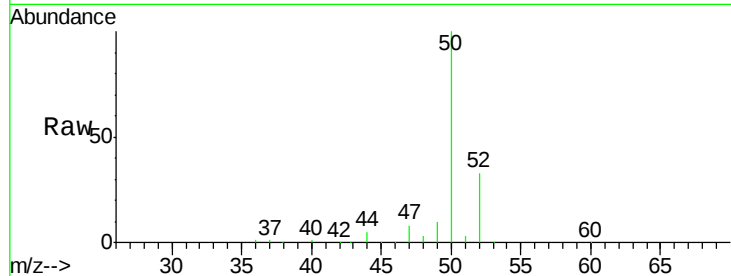
VSTDICCC020

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.725 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN054017.D

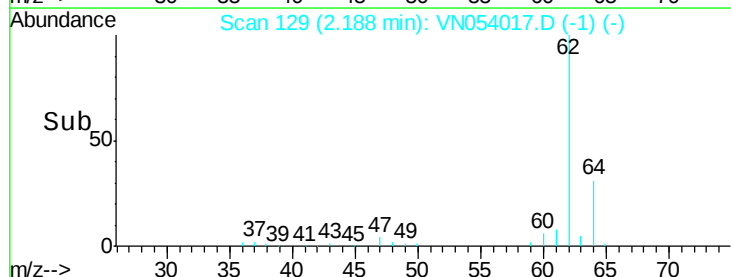
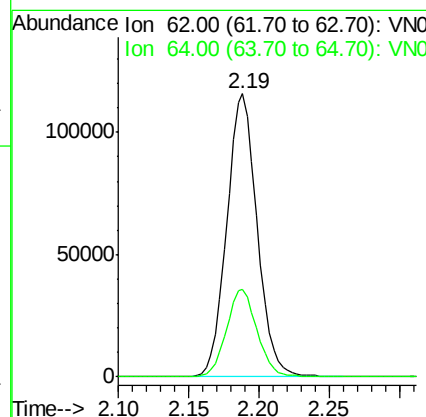
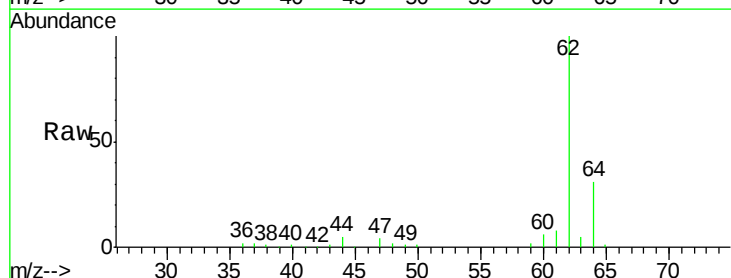
Acq: 1 Mar 2019 9:16

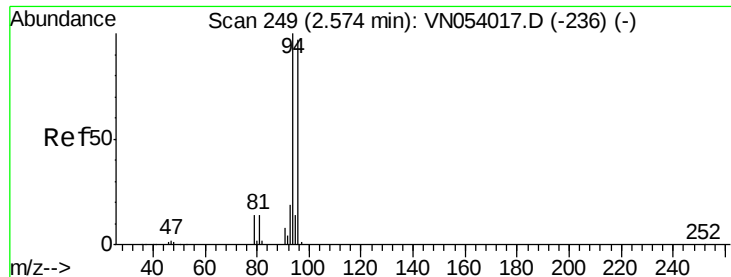
Tgt Ion: 62 Resp: 174001

Ion Ratio Lower Upper

62 100

64 31.2 24.2 36.4





#5

Bromomethane

Concen: 18.691 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN054017.D

Acq: 1 Mar 2019 9:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tot Ion: 94 Resp: 106301

Ion Ratio Lower Upper

94 100

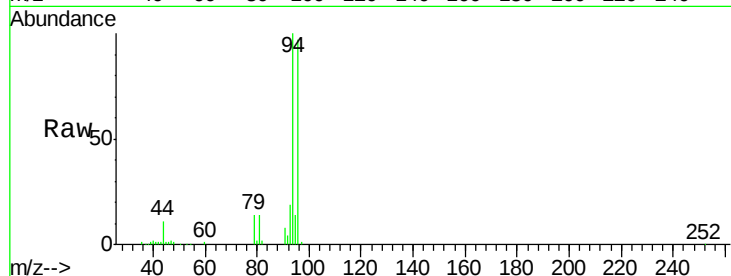
96 97.4 76.2 114.2

Manual Integrations

APPROVED

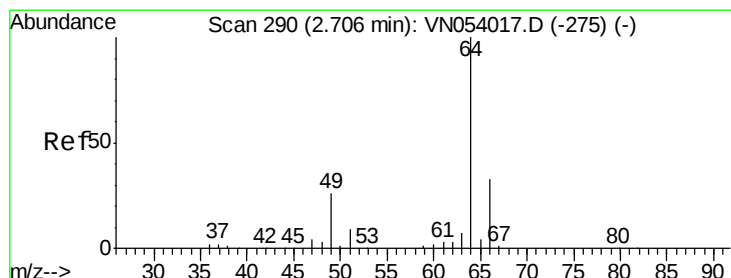
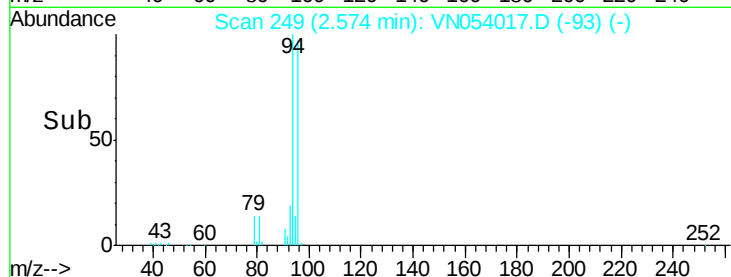
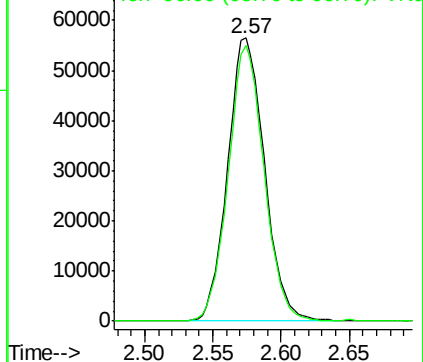
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3/6/2019 10:23:12 AM



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 20.182 ug/l

RT: 2.71 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN054017.D

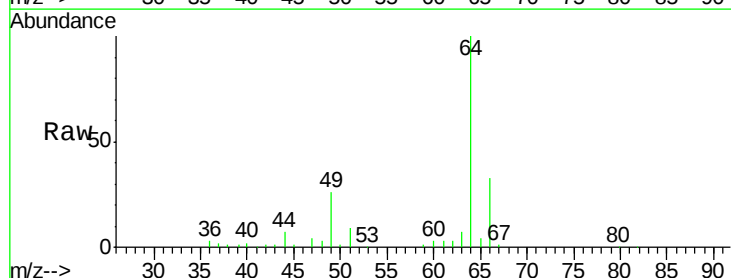
Acq: 1 Mar 2019 9:16

Tgt Ion: 64 Resp: 102552

Ion Ratio Lower Upper

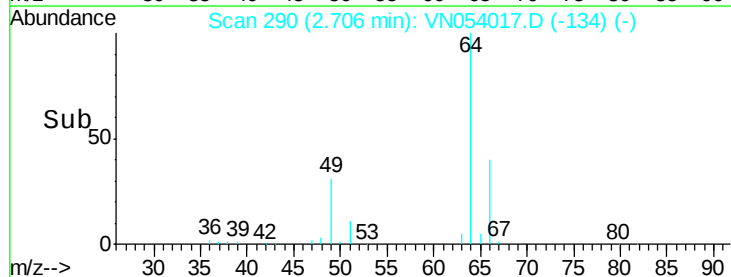
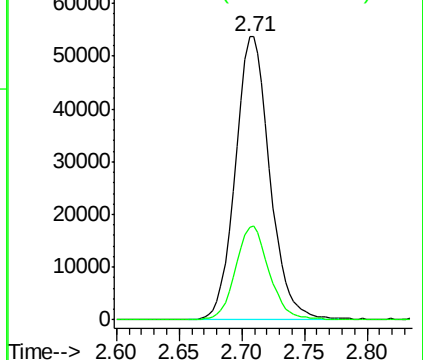
64 100

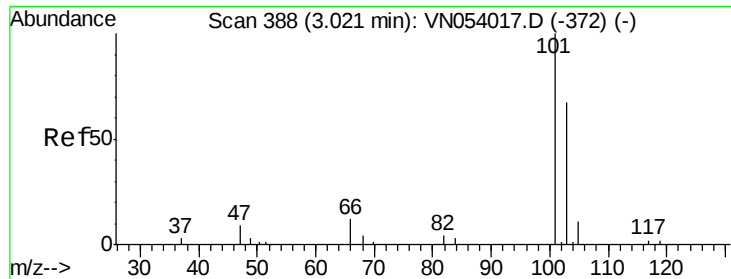
66 32.8 25.6 38.4



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

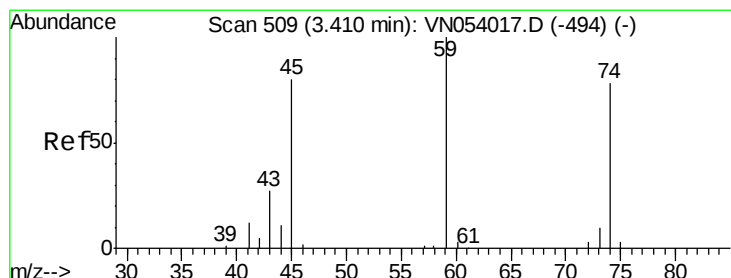
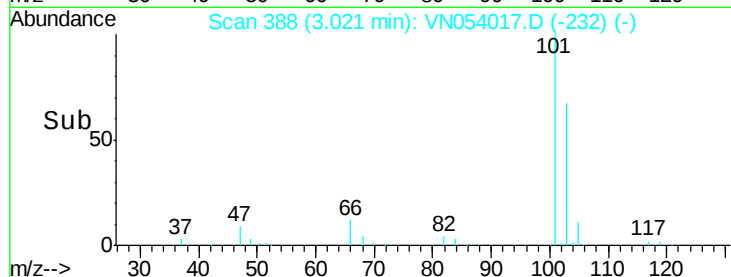
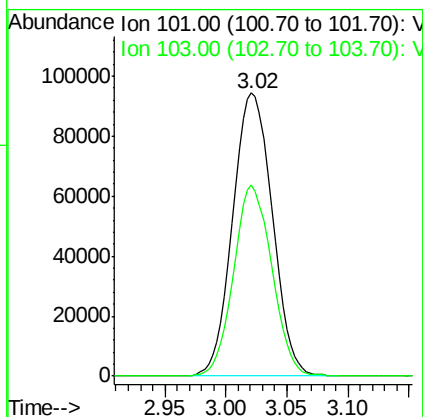
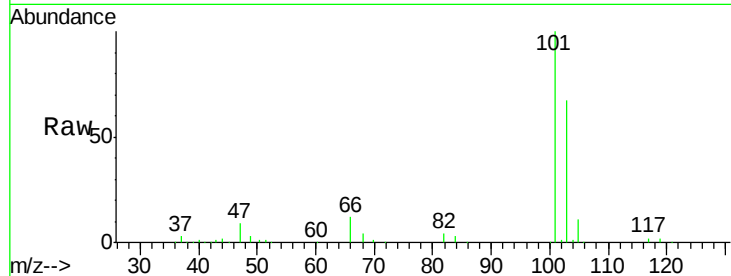
Trichlorofluoromethane
Concen: 19.554 ug/l
RT: 3.02 min Scan# 388
Delta R.T. 0.00 min
Lab File: VN054017.D
Acq: 1 Mar 2019 9:16

Instrument :
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VSTDICCC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
213011	101	100			
	103	67.4	52.1	78.1	

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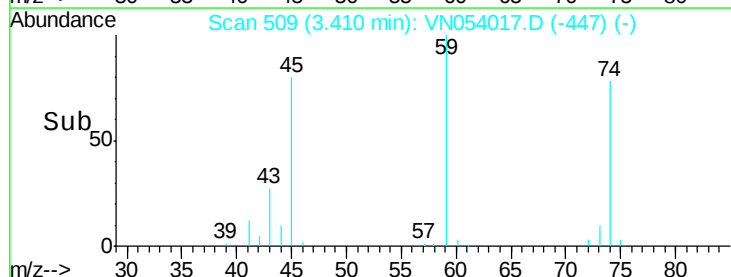
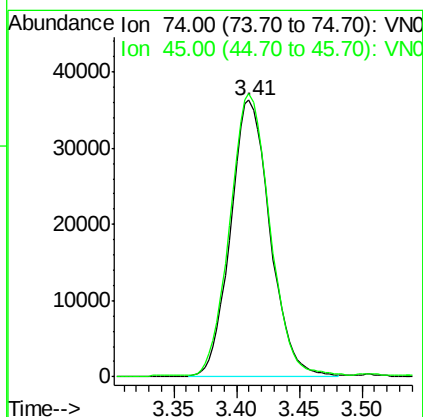
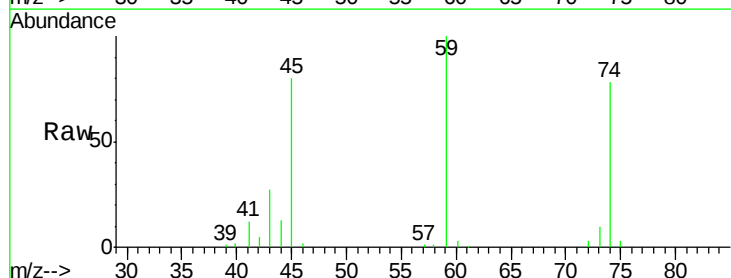
MMDadoda
3/6/2019 10:23:12 AM

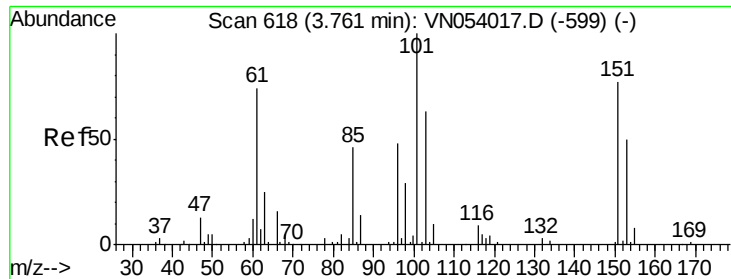


#8

Diethyl Ether
Concen: 19.749 ug/l
RT: 3.41 min Scan# 509
Delta R.T. 0.00 min
Lab File: VN054017.D
Acq: 1 Mar 2019 9:16

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
79931	74	100			
	45	101.7	20.6	185.8	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.828 ug/l

RT: 3.76 min Scan# 618

Delta R.T. 0.00 min

Lab File: VN054017.D

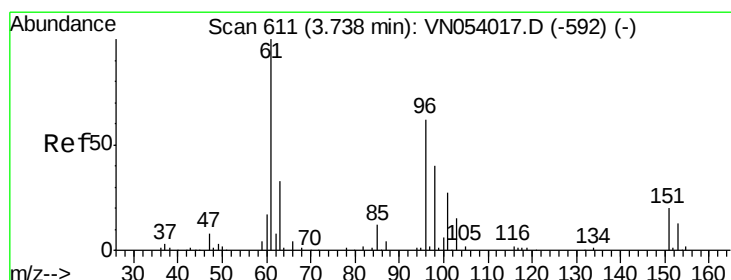
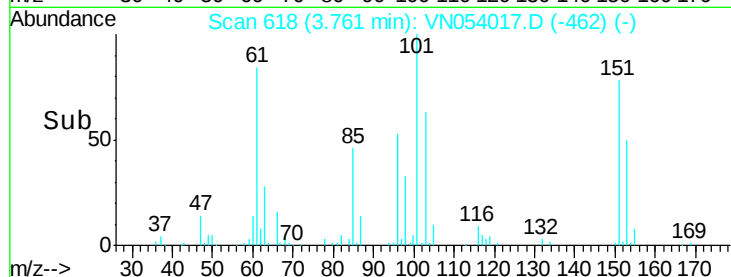
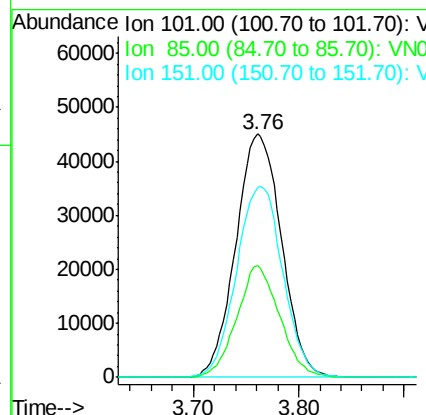
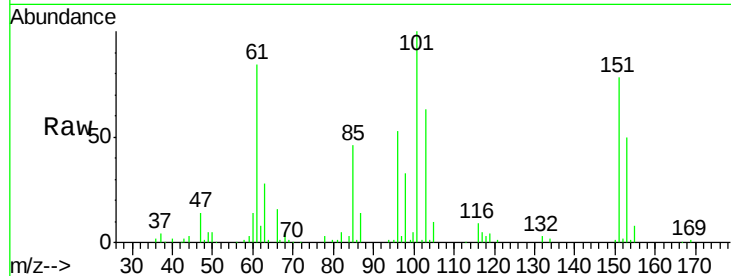
Acq: 1 Mar 2019 9:16

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC020

Tot Ion	Ratio	Resp Lower	Upper
101	100		
85	42.9	0.0	82.6
151	79.6	0.0	158.4

Manual Integrations
APPROVED

MMDadoda
3/6/2019 10:23:12 AM



#10

1,1-Dichloroethene

Concen: 19.029 ug/l

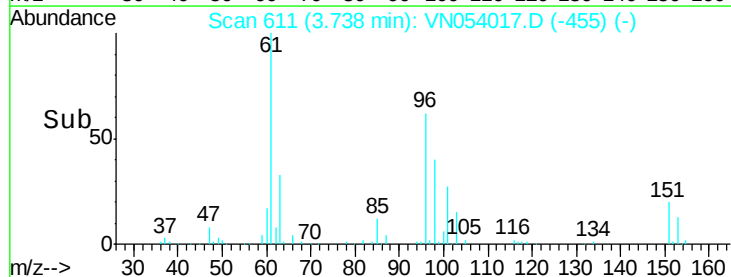
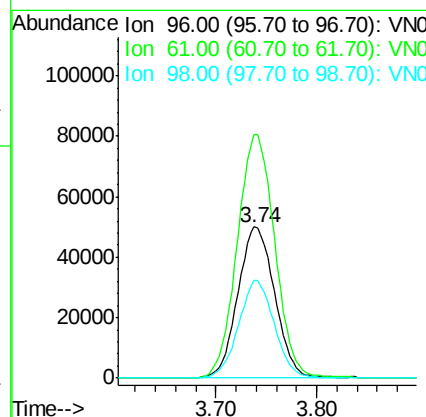
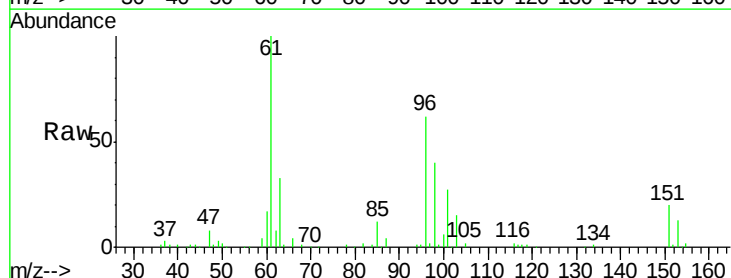
RT: 3.74 min Scan# 611

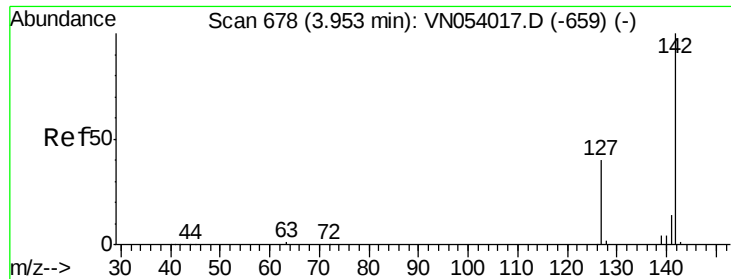
Delta R.T. 0.00 min

Lab File: VN054017.D

Acq: 1 Mar 2019 9:16

Tgt Ion	Ratio	Resp Lower	Upper
96	100		
61	160.8	129.4	194.2
98	64.8	50.4	75.6





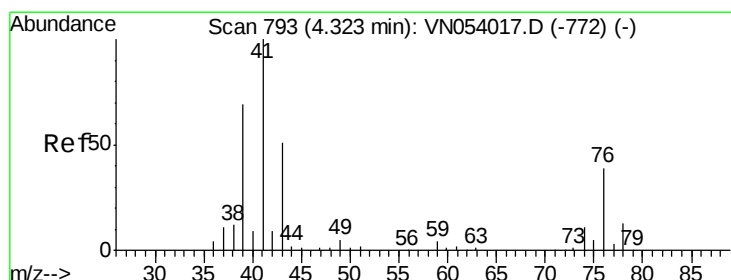
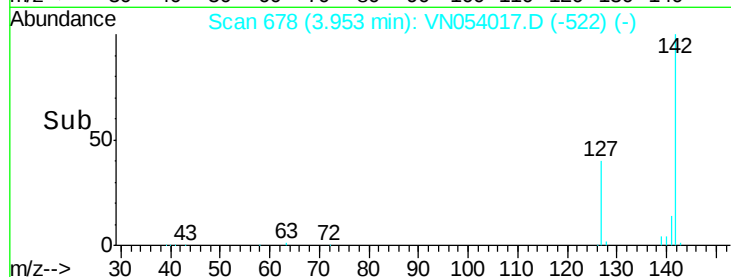
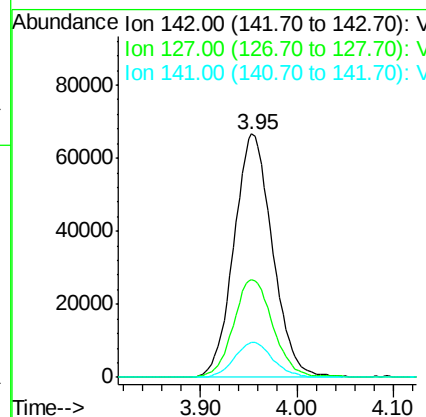
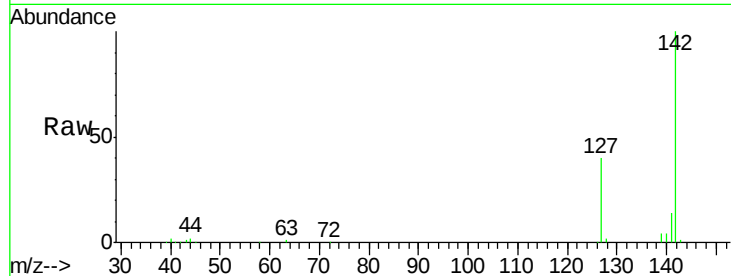
#11
Methyl Iodide
Concen: 18.834 ug/l
RT: 3.95 min Scan# 678
Delta R.T. 0.00 min
Lab File: VN054017.D
Acq: 1 Mar 2019 9:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
142	100		
127	39.7	19.4	58.1
141	14.5	7.2	21.6

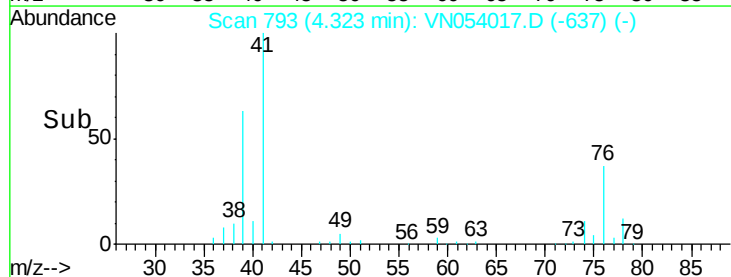
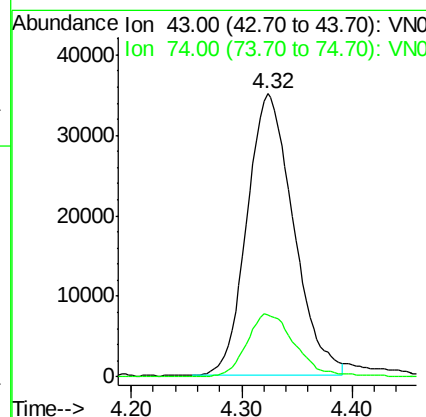
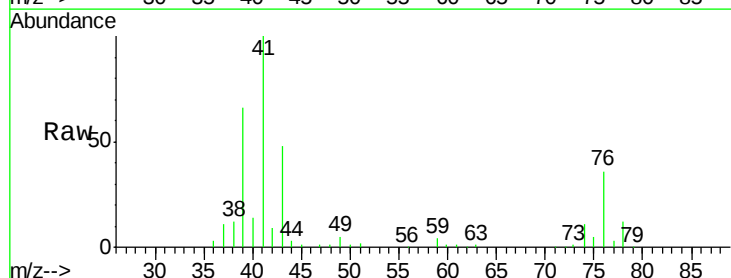
Manual Integrations
APPROVED

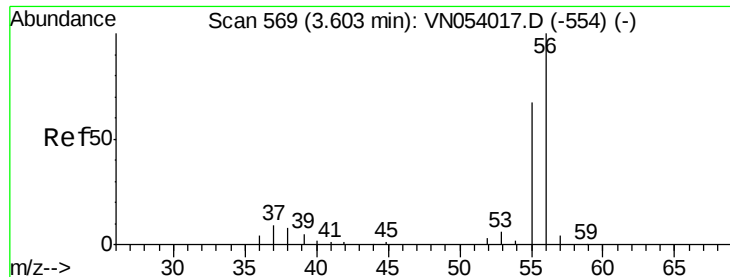
MMDadoda
3/6/2019 10:23:12 AM



#12
Methyl Acetate
Concen: 19.617 ug/l
RT: 4.32 min Scan# 793
Delta R.T. 0.00 min
Lab File: VN054017.D
Acq: 1 Mar 2019 9:16

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.0	18.9	28.3





#13

Acrolein

Concen: 89.963 ug/l

RT: 3.60 min Scan# 569

Delta R.T. 0.00 min

Lab File: VN054017.D

Acq: 1 Mar 2019 9:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tot Ion: 56 Resp: 55917

Ion Ratio Lower Upper

56 100

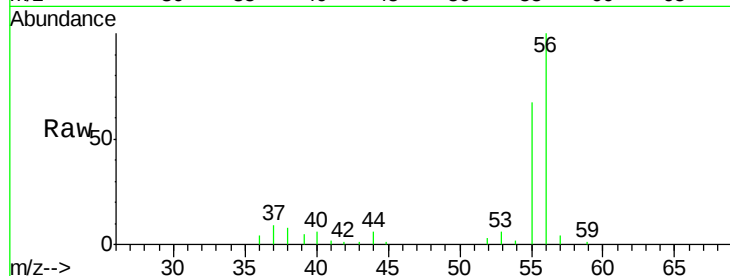
55 69.8 56.7 85.1

Manual Integrations

APPROVED

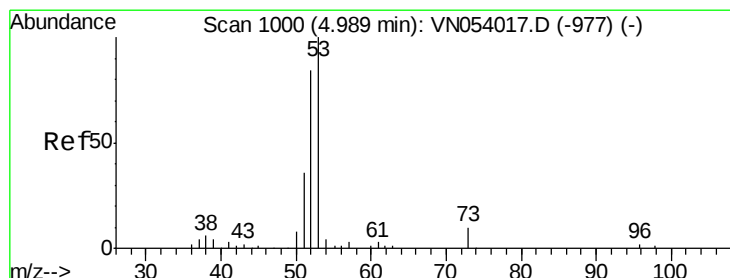
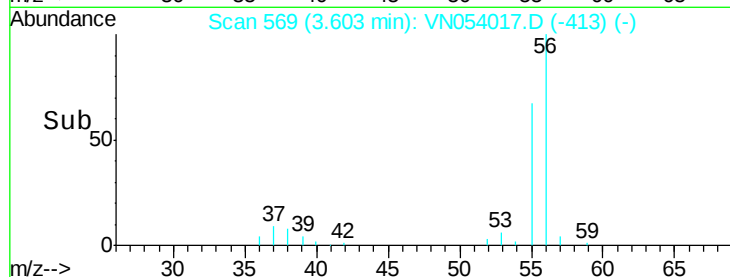
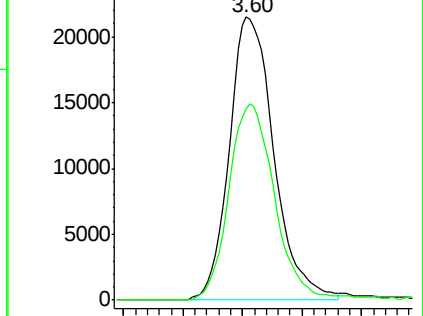
MMDadoda

3/6/2019 10:23:12 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 107.361 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN054017.D

Acq: 1 Mar 2019 9:16

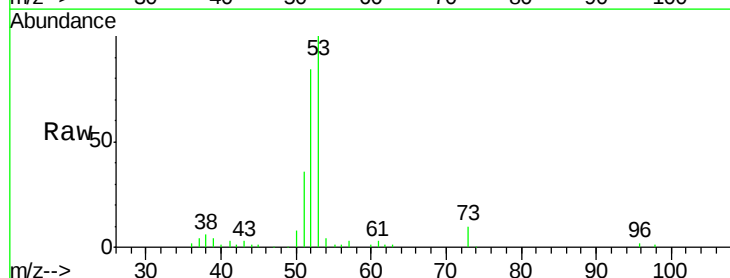
Tgt Ion: 53 Resp: 250044

Ion Ratio Lower Upper

53 100

52 82.8 39.9 119.7

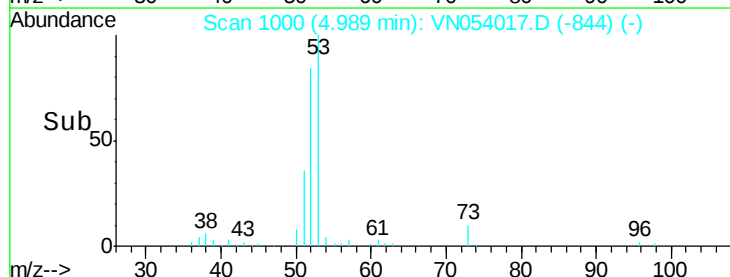
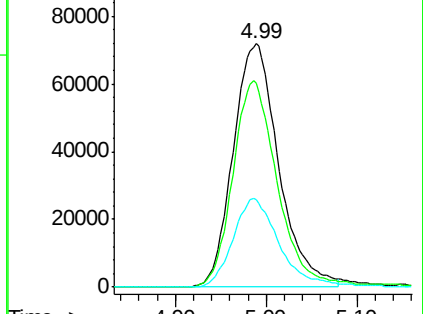
51 36.7 17.6 52.9

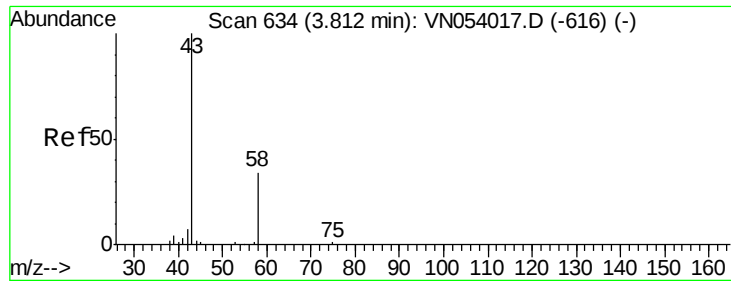


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 160.081 ug/l

RT: 3.81 min Scan# 634

Delta R.T. 0.00 min

Lab File: VN054017.D

Acq: 1 Mar 2019 9:16

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC020

Tot Ion: 58 Resp: 79236

Ion Ratio Lower Upper

58 100

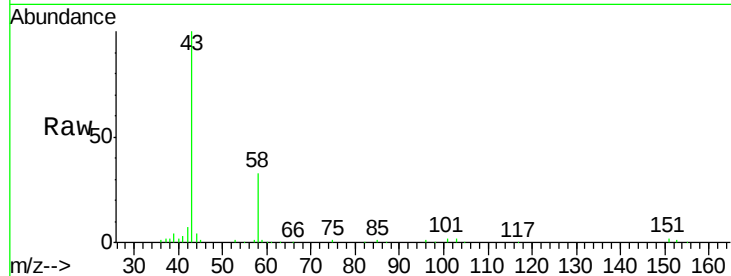
43 296.8 243.6 365.4

Manual Integrations

APPROVED

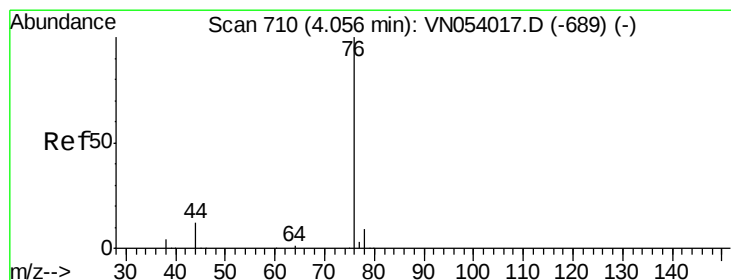
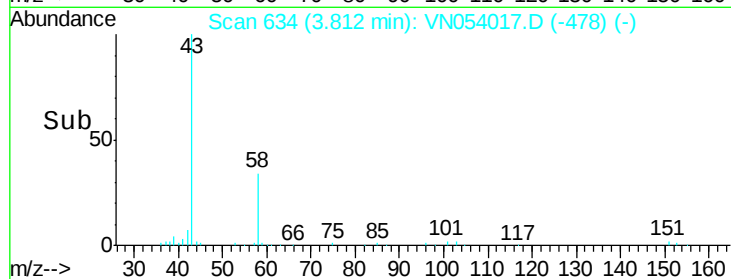
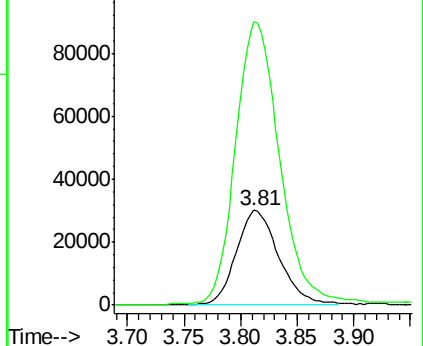
MMDadoda

3/6/2019 10:23:12 AM



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 19.626 ug/l

RT: 4.06 min Scan# 710

Delta R.T. 0.00 min

Lab File: VN054017.D

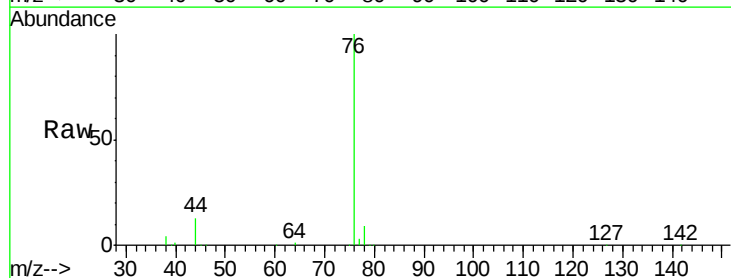
Acq: 1 Mar 2019 9:16

Tgt Ion: 76 Resp: 403264

Ion Ratio Lower Upper

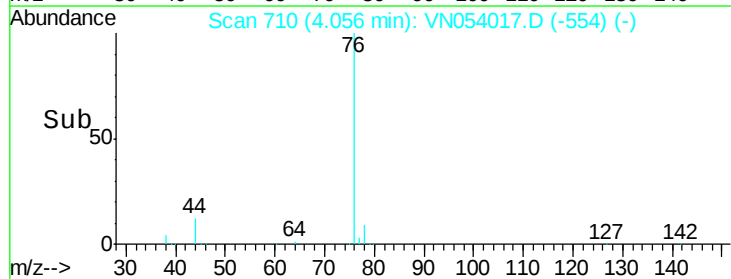
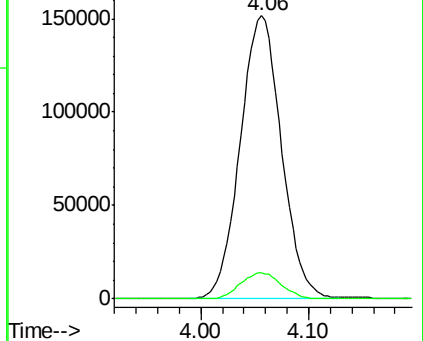
76 100

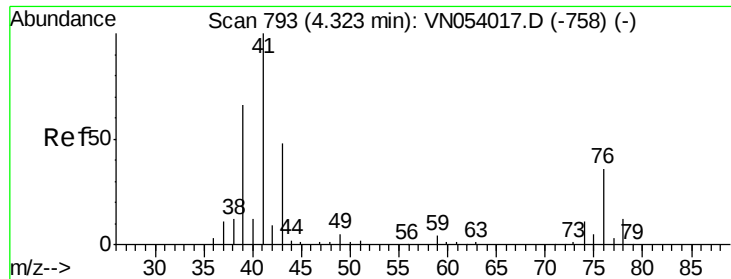
78 9.1 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





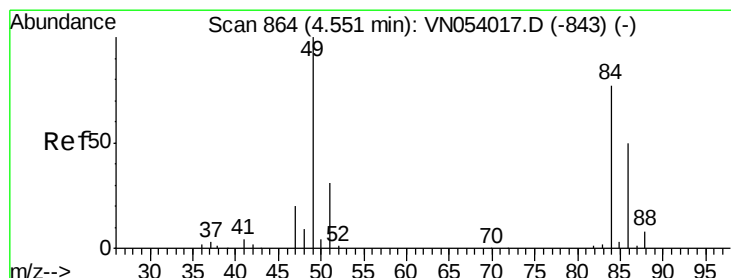
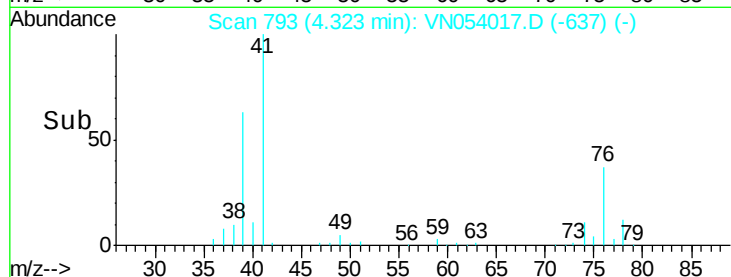
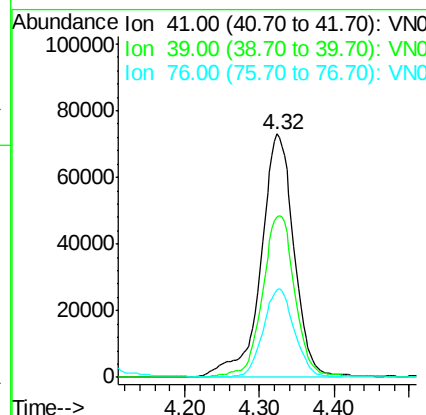
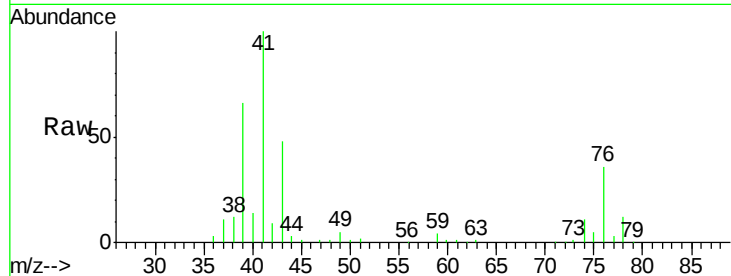
#17
Allvl chloride
Concen: 21.385 ug/l
RT: 4.32 min Scan# 793
Delta R.T. 0.00 min
Lab File: VN054017.D
Acq: 1 Mar 2019 9:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
41	100		
39	65.9	32.8	98.3
76	36.1	18.6	55.8

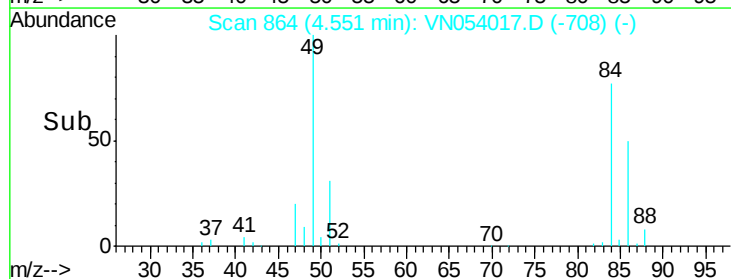
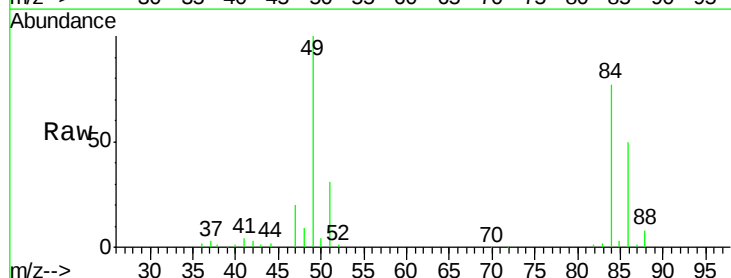
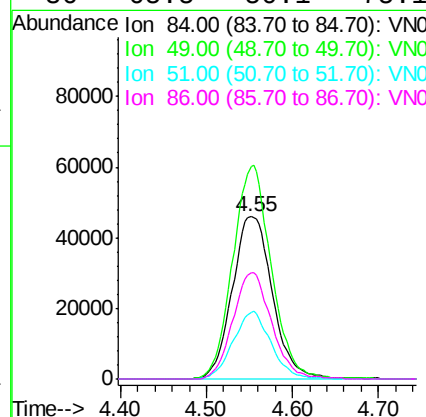
Manual Integrations
APPROVED

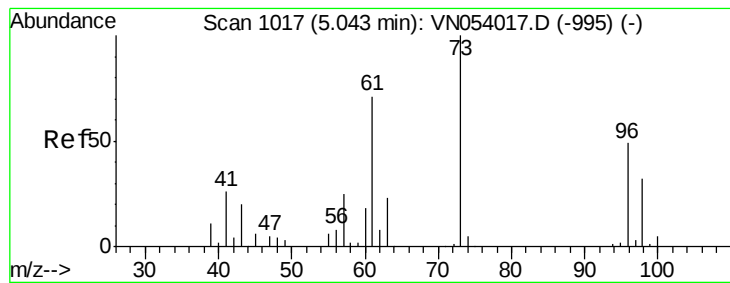
MMDadoda
3/6/2019 10:23:12 AM



#18
Methylene Chloride
Concen: 19.499 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN054017.D
Acq: 1 Mar 2019 9:16

Tgt Ion	Ratio	Lower	Upper
84	100		
49	130.6	101.4	152.0
51	41.0	31.7	47.5
86	65.5	50.1	75.1





#19

trans-1,2-Dichloroethene

Concen: 19.441 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. 0.00 min

Lab File: VN054017.D

Acq: 1 Mar 2019 9:16

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC020

Tot Ion: 96 Resp: 137232

Ion Ratio Lower Upper

96 100

61 143.8 118.2 177.4

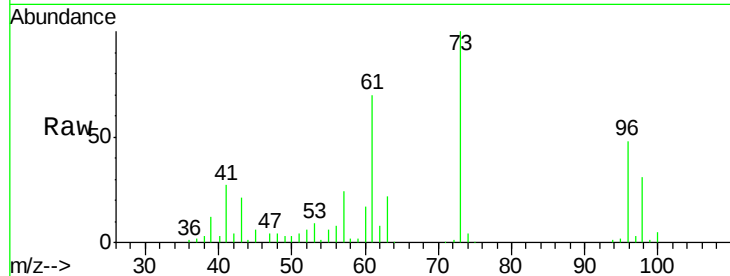
98 64.4 51.4 77.2

Manual Integrations

APPROVED

MMDadoda

3/6/2019 10:23:12 AM

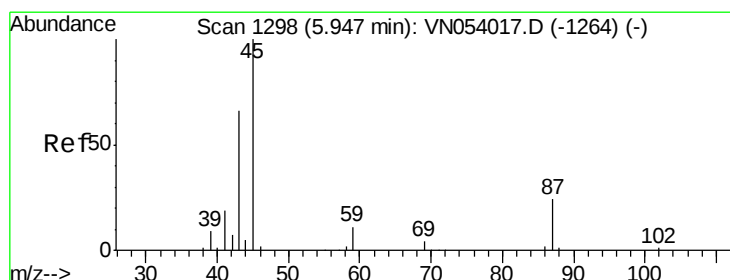
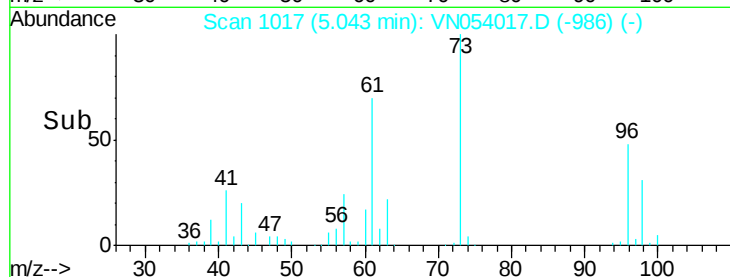
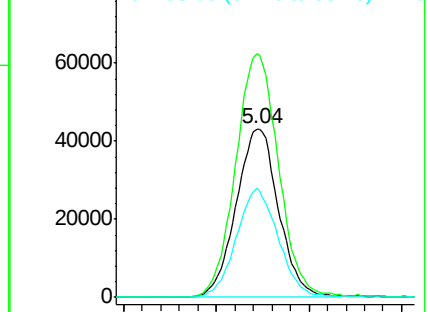


Abundance

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: 19.703 ug/l

RT: 5.95 min Scan# 1298

Delta R.T. 0.00 min

Lab File: VN054017.D

Acq: 1 Mar 2019 9:16

Tgt Ion: 45 Resp: 443365

Ion Ratio Lower Upper

45 100

43 66.1 47.8 71.8

87 24.3 21.3 31.9

59 10.7 8.9 13.3

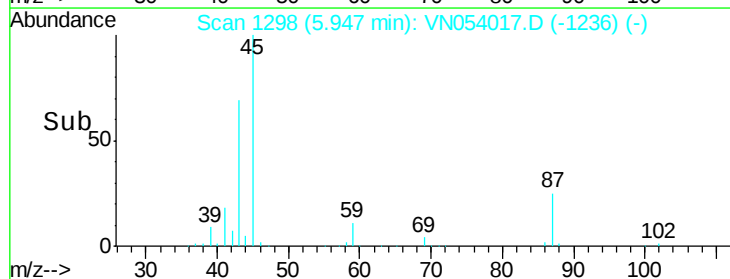
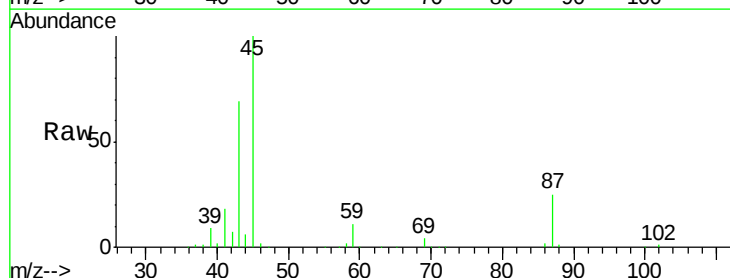
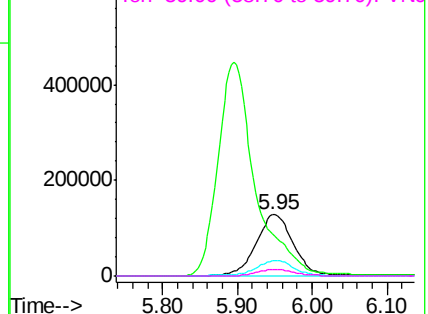
Abundance

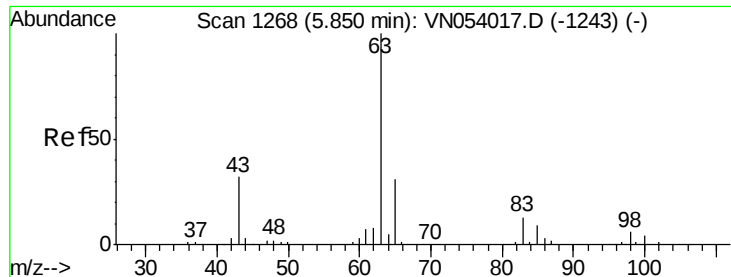
Ion 45.00 (44.70 to 45.70): VN0

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





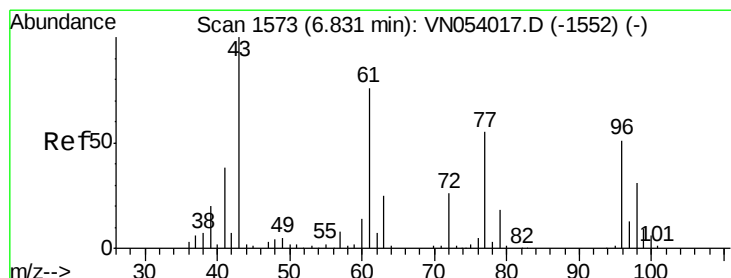
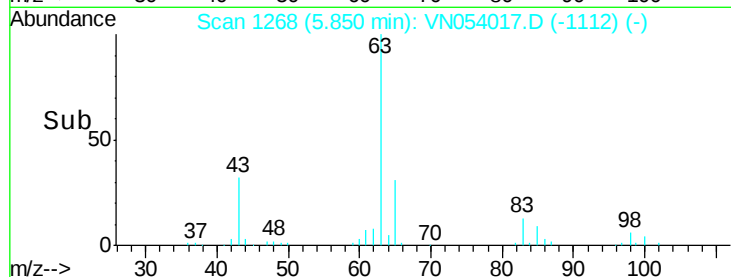
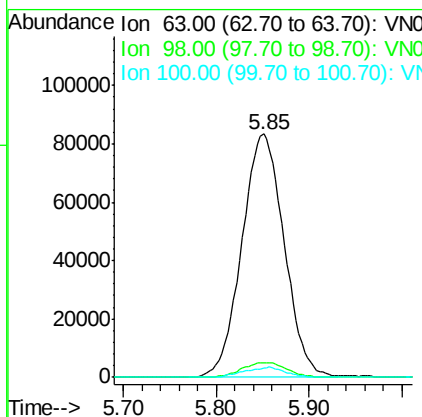
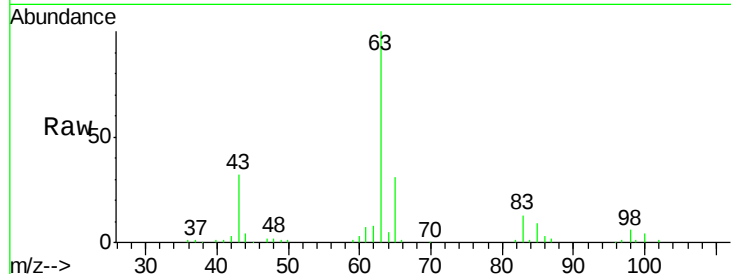
#21
 1,1-Dichloroethane
 Concen: 20.164 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VN054017.D
 Acq: 1 Mar 2019 9:16

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC020

Tot Ion	Ratio	Resp	Lower	Upper
63	100	264185		
98	6.0		3.0	9.2
100	3.7		1.8	5.5

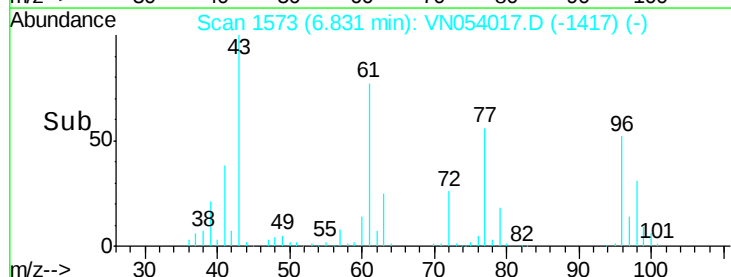
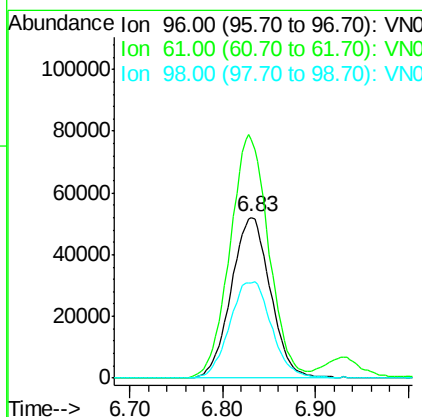
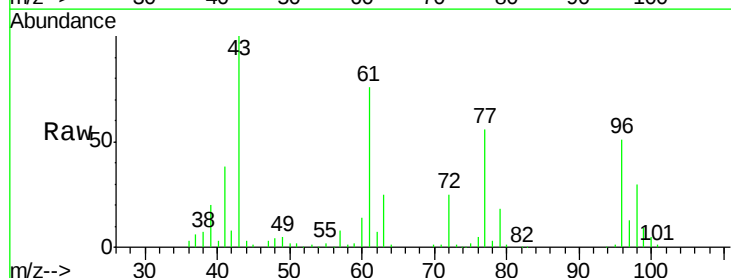
Manual Integrations
 APPROVED

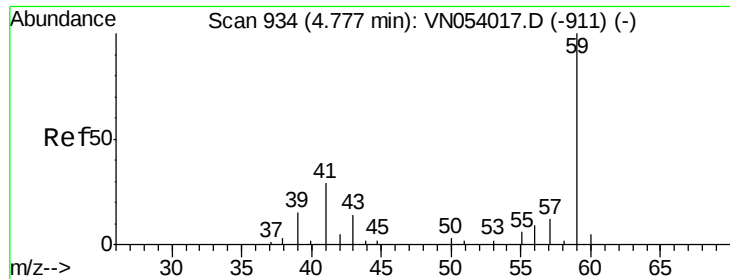
MMDadoda
 3/6/2019 10:23:12 AM



#22
 cis-1,2-Dichloroethene
 Concen: 19.271 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN054017.D
 Acq: 1 Mar 2019 9:16

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	153232		
61	149.0		116.7	175.1
98	30.9		50.8	76.2#





#23

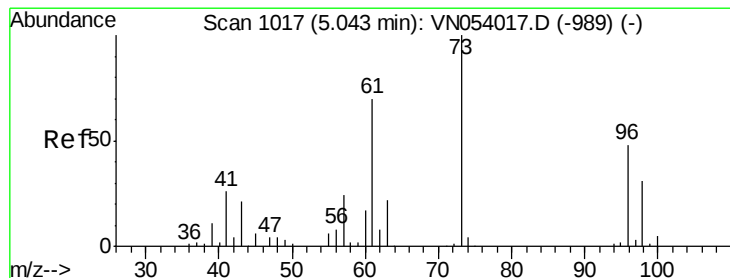
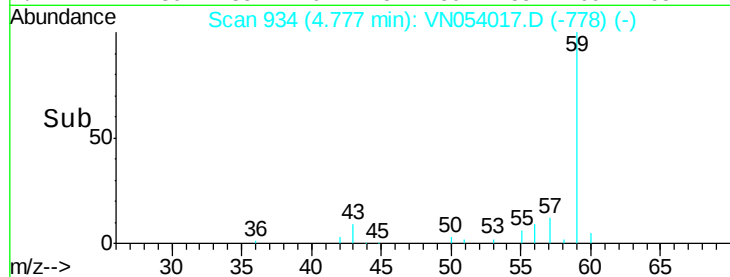
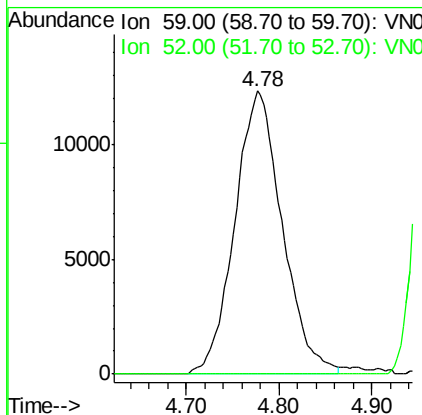
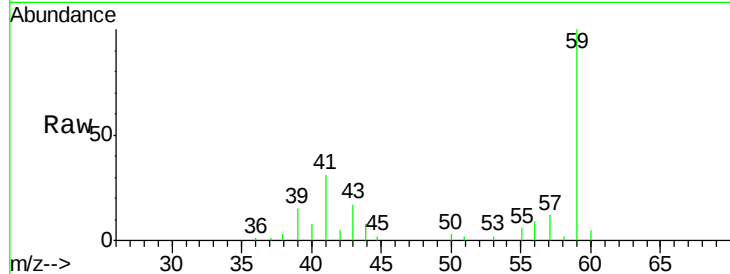
tert-Butyl Alcohol
 Concen: 111.497 ug/l
 RT: 4.78 min Scan# 934
 Delta R.T. 0.00 min
 Lab File: VN054017.D
 Acq: 1 Mar 2019 9:16

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC020

Tot Ion	59	52	Ratio	100	Resp	43775	Lower	Upper
59	100							
52	0.0				0.0		0.0	0.0

Manual Integrations
 APPROVED

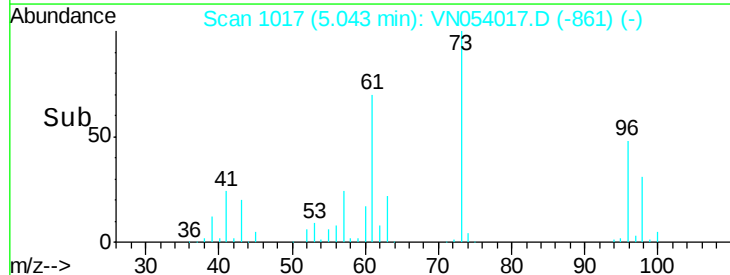
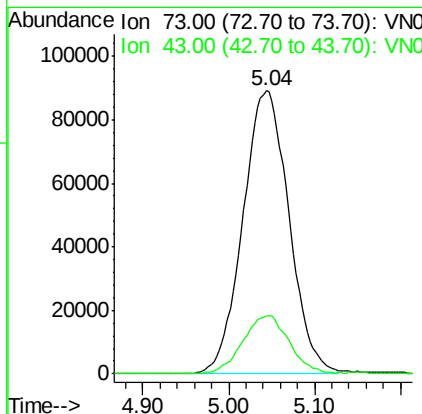
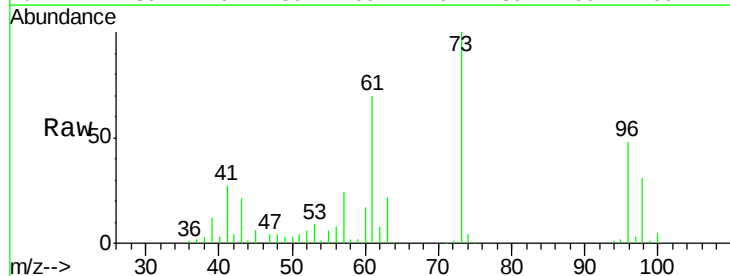
MMDadoda
 3/6/2019 10:23:12 AM

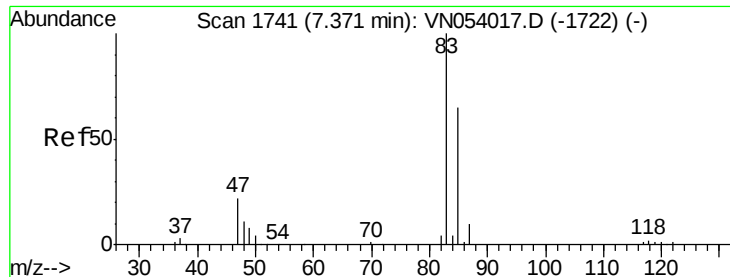


#24

Methyl tert-Butyl Ether
 Concen: 19.086 ug/l
 RT: 5.04 min Scan# 1017
 Delta R.T. 0.00 min
 Lab File: VN054017.D
 Acq: 1 Mar 2019 9:16

Tgt Ion	73	43	Ratio	100	Resp	332425	Lower	Upper
73	100							
43	20.8				15.8		23.8	





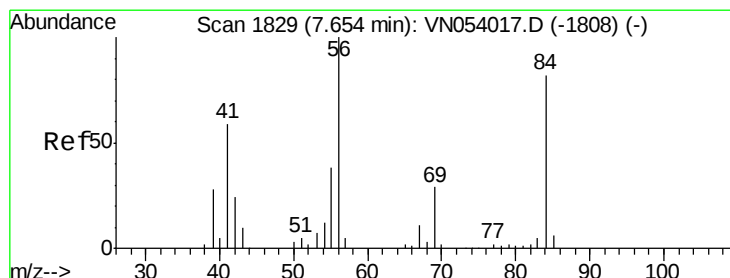
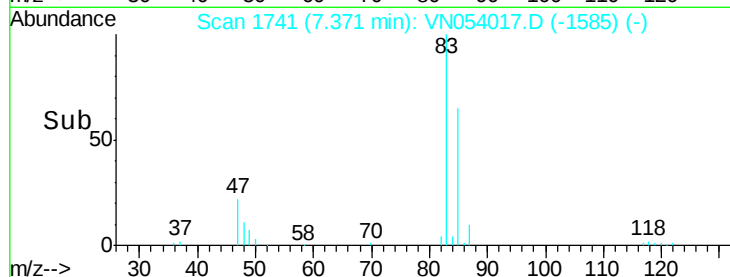
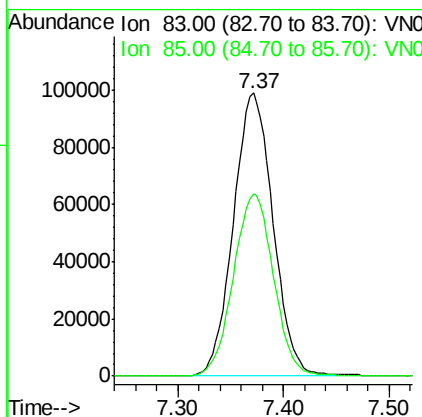
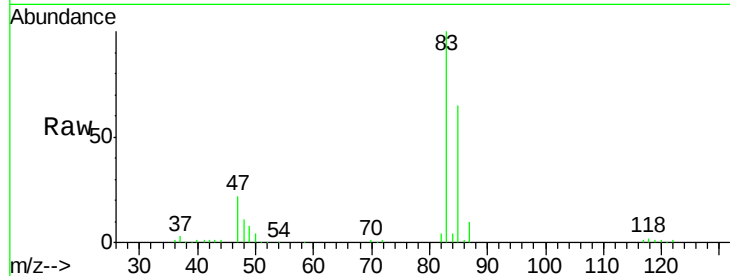
#25
Chloroform
Concen: 20.538 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN054017.D
Acq: 1 Mar 2019 9:16

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC020

Tot Ion	83	Resp	258651
Ion Ratio	100	Lower	Upper
85	64.5	51.7	77.5

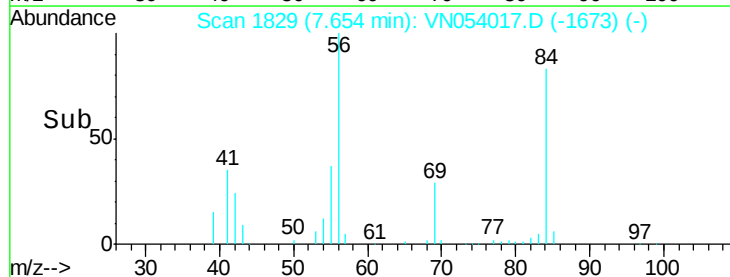
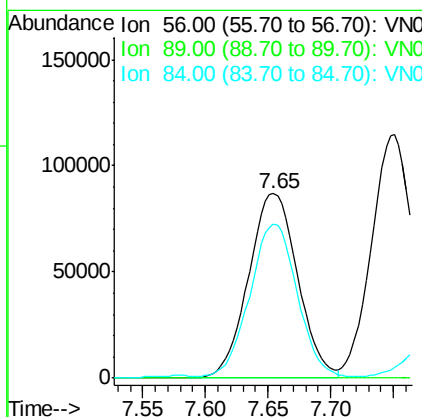
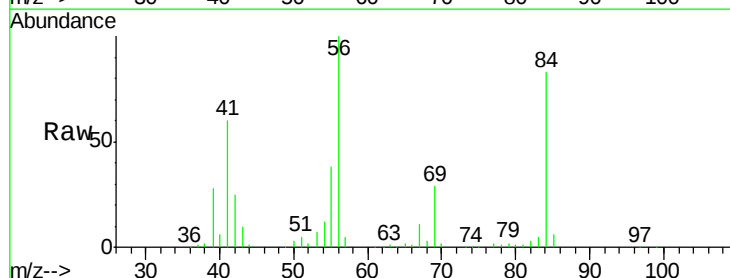
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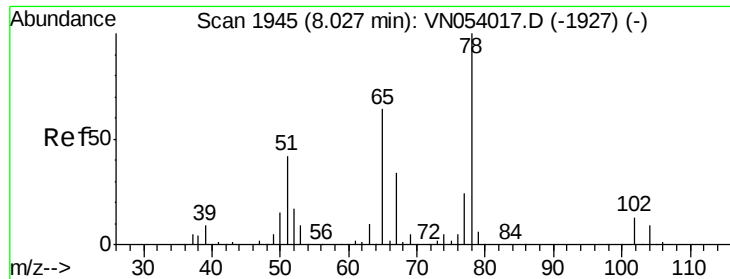
MMDadoda
3/6/2019 10:23:12 AM



#26
Cyclohexane
Concen: 19.440 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN054017.D
Acq: 1 Mar 2019 9:16

Tgt Ion	56	Resp	237569
Ion Ratio	100	Lower	Upper
89	0.0	0.5	0.7#
84	81.4	66.2	99.2





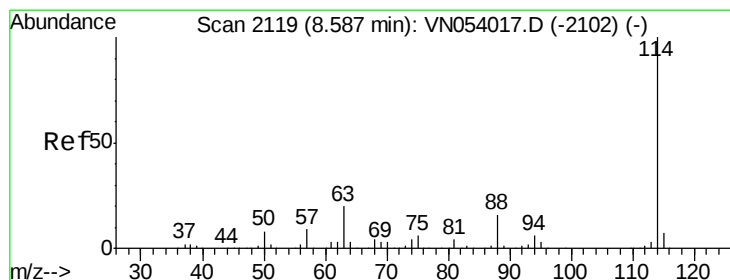
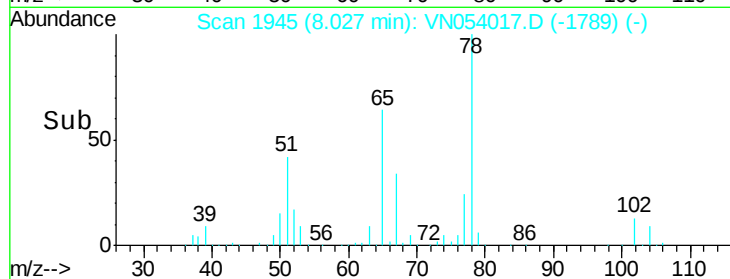
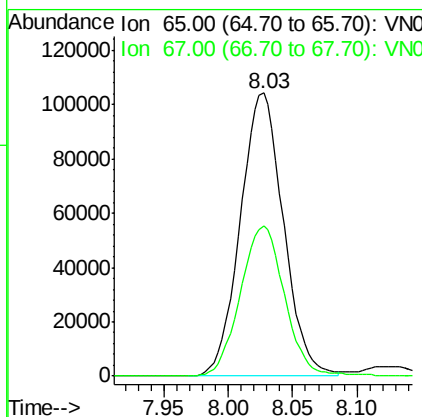
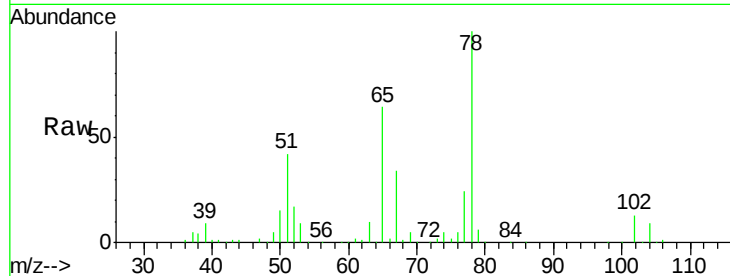
#27
 1,2-Dichloroethane-d4
 Concen: 19.440 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN054017.D
 Acq: 1 Mar 2019 9:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion: 65 Resp: 243040
 Ion Ratio Lower Upper
 65 100
 67 54.3 44.6 66.8

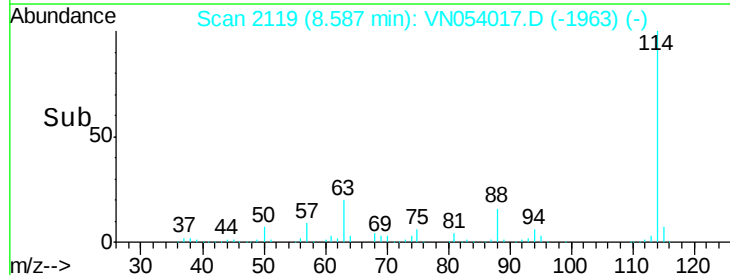
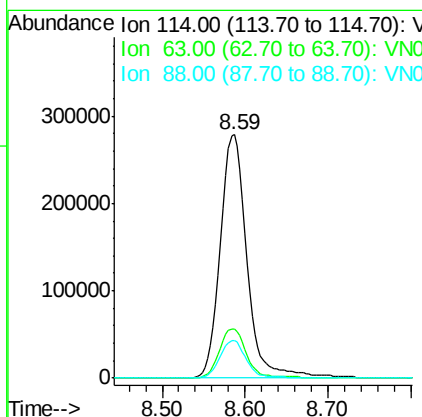
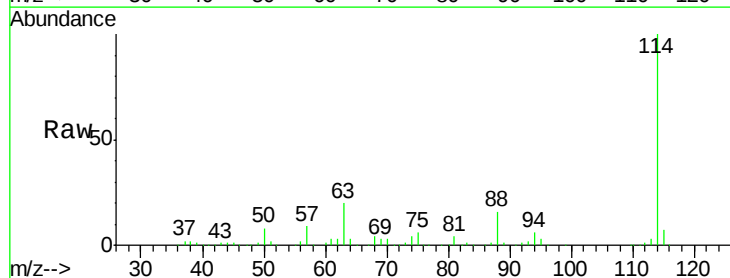
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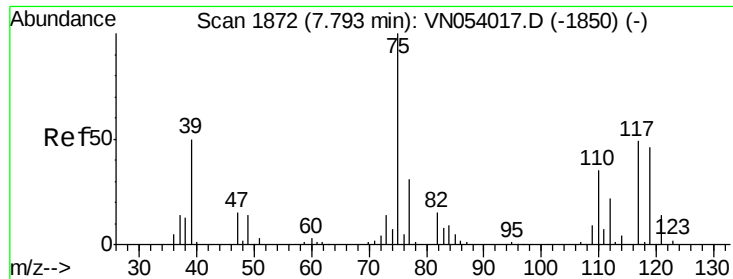
MMDadoda
 3/6/2019 10:23:12 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054017.D
 Acq: 1 Mar 2019 9:16

Tgt Ion: 114 Resp: 623741
 Ion Ratio Lower Upper
 114 100
 63 20.3 16.9 25.3
 88 15.3 12.8 19.2





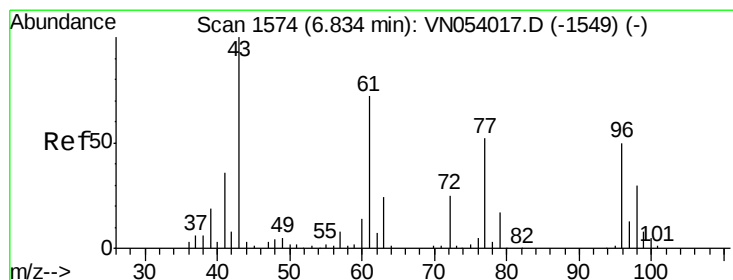
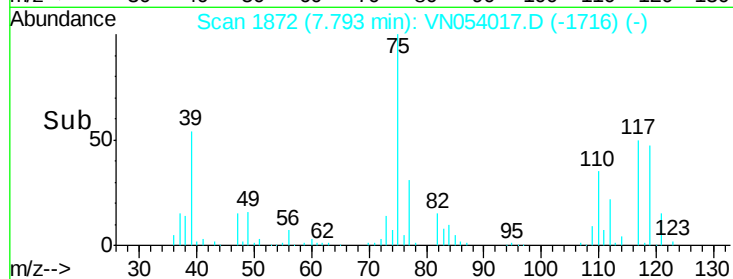
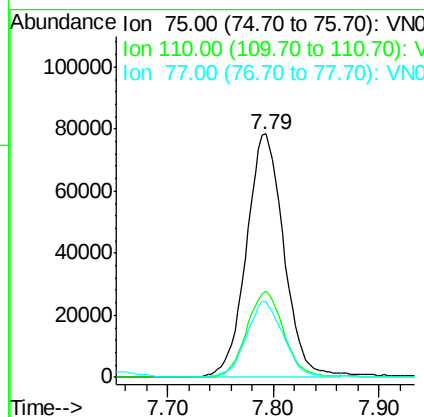
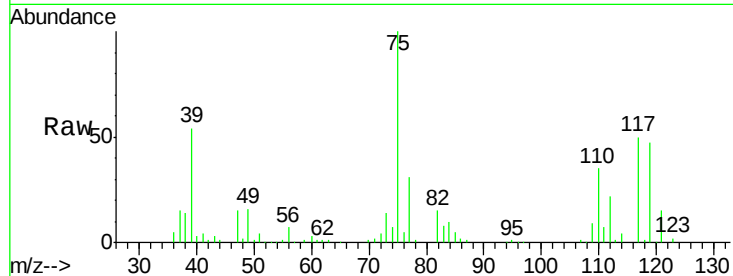
#29
 1,1-Dichloropropene
 Concen: 20.513 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN054017.D
 Acq: 1 Mar 2019 9:16

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC020

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	35.0	0.0	70.2
77	31.0	0.0	62.6

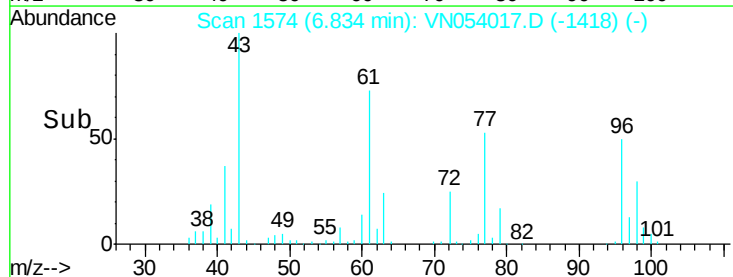
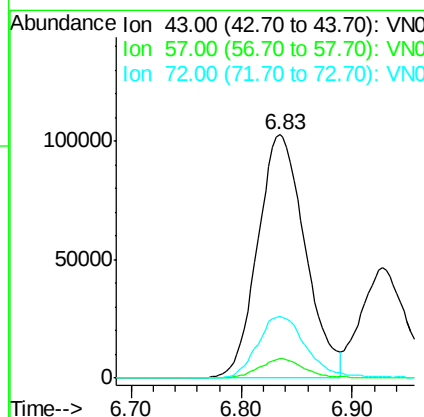
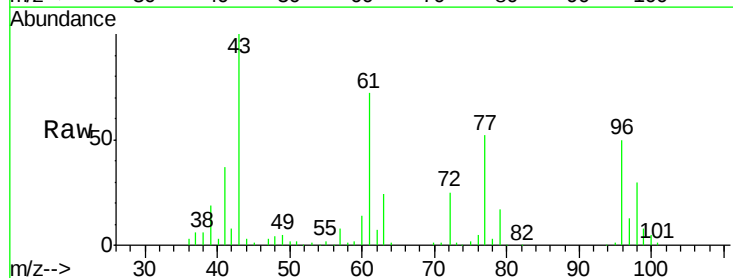
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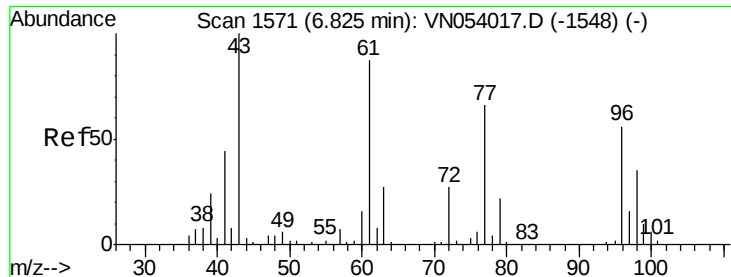
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#30
 2-Butanone
 Concen: 129.360 ug/l
 RT: 6.83 min Scan# 1574
 Delta R.T. 0.00 min
 Lab File: VN054017.D
 Acq: 1 Mar 2019 9:16

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	7.8	6.2	9.4
72	26.2	21.0	31.6





#31

2,2-Dichloropropane

Concen: 20.994 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN054017.D

Acq: 1 Mar 2019 9:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tot Ion: 77 Resp: 192028

Ion Ratio Lower Upper

77 100

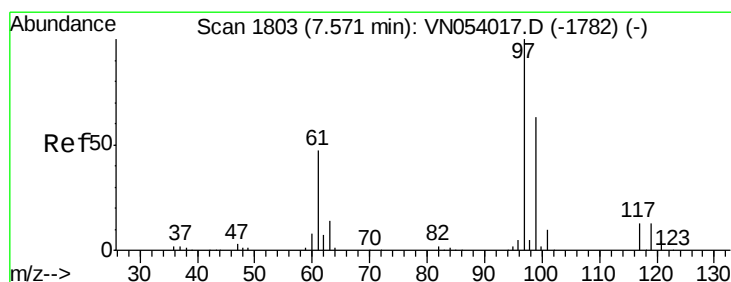
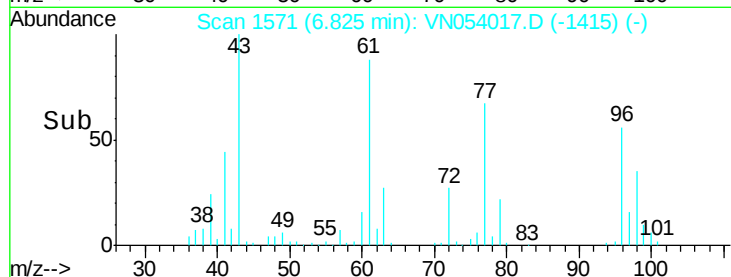
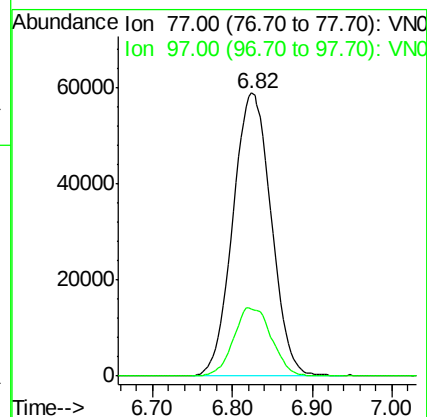
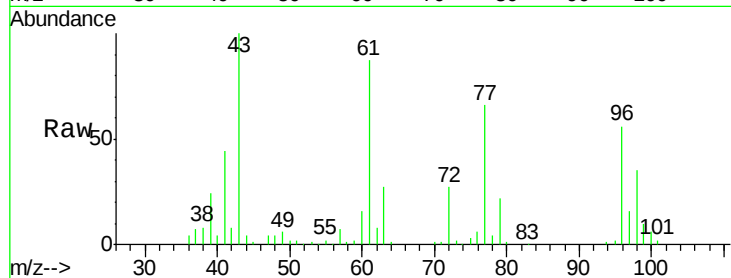
97 23.9 18.7 28.1

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 21.337 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN054017.D

Acq: 1 Mar 2019 9:16

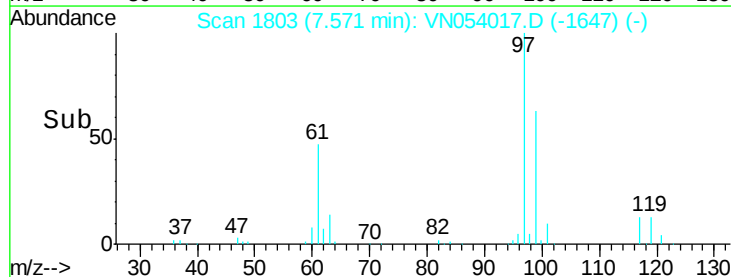
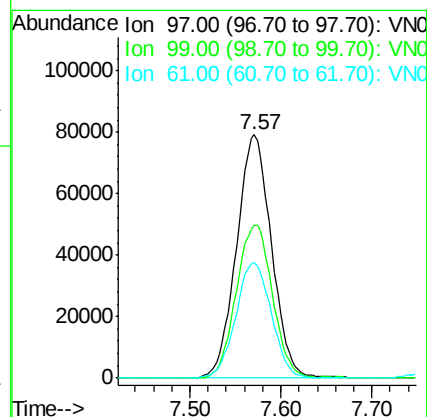
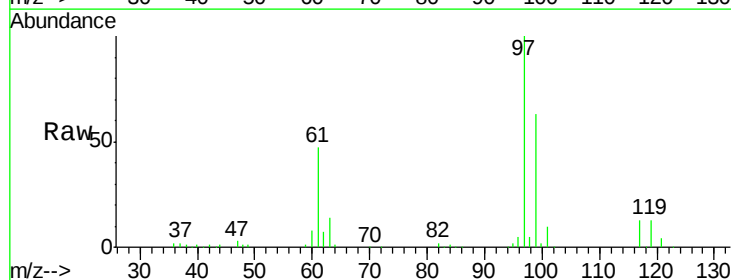
Tgt Ion: 97 Resp: 211222

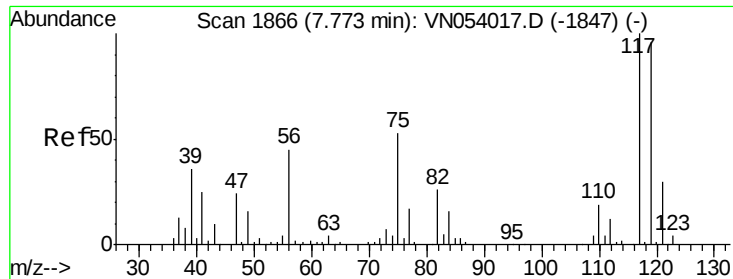
Ion Ratio Lower Upper

97 100

99 64.9 50.9 76.3

61 48.2 38.1 57.1





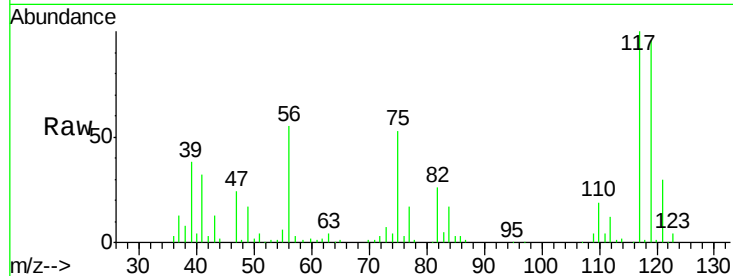
#33
Carbon Tetrachloride
Concen: 21.761 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN054017.D
Acq: 1 Mar 2019 9:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
117	100		
119	96.0	77.3	115.9
121	30.0	24.9	37.3

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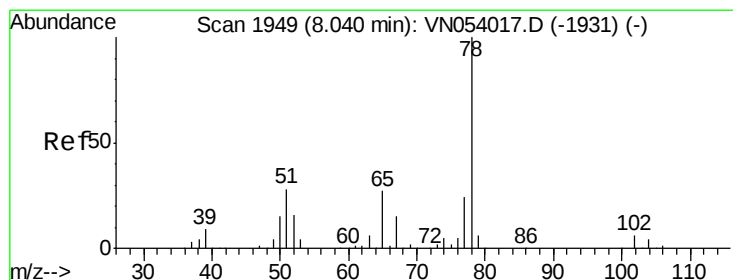
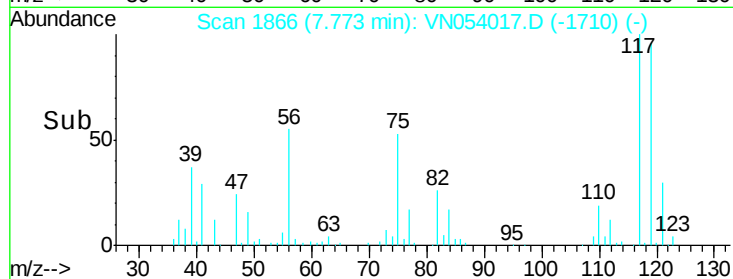
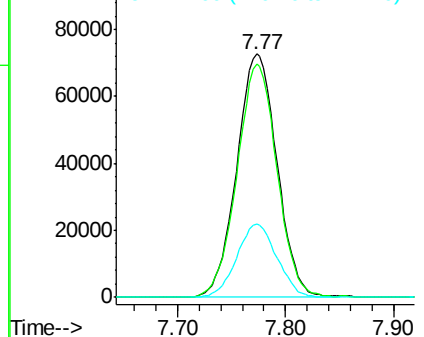


Abundance

Ion 117.00 (116.70 to 117.70): V

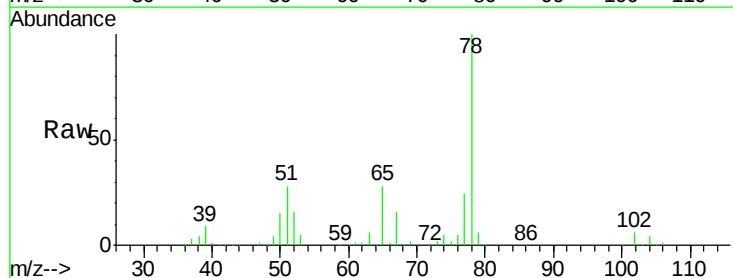
Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#34
Benzene
Concen: 20.618 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN054017.D
Acq: 1 Mar 2019 9:16

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.0	28.6
51	27.9	20.5	30.7

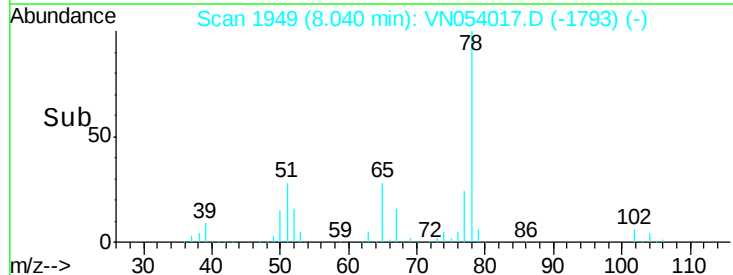
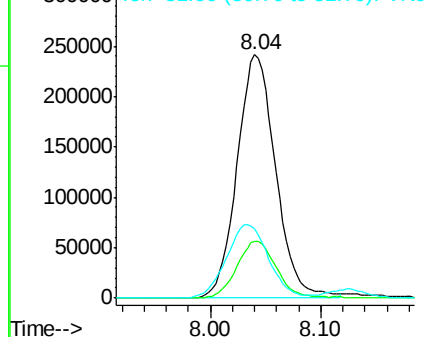


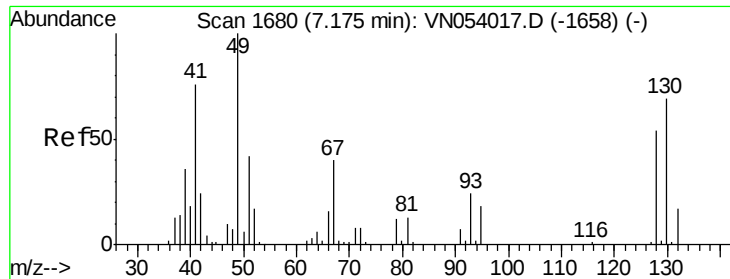
Abundance

Ion 78.10 (77.80 to 78.80): V

Ion 77.00 (76.70 to 77.70): V

Ion 51.00 (50.70 to 51.70): V





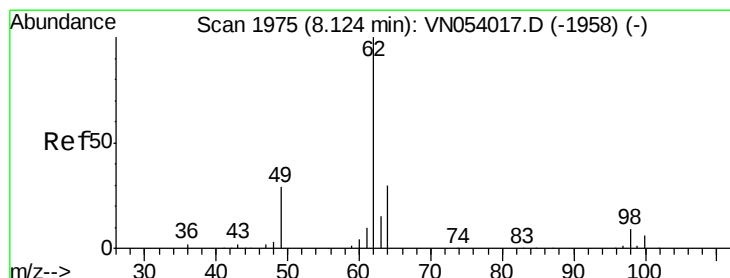
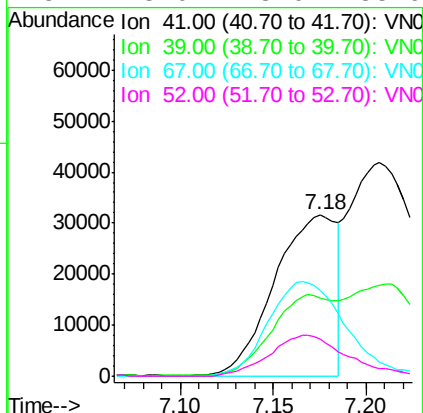
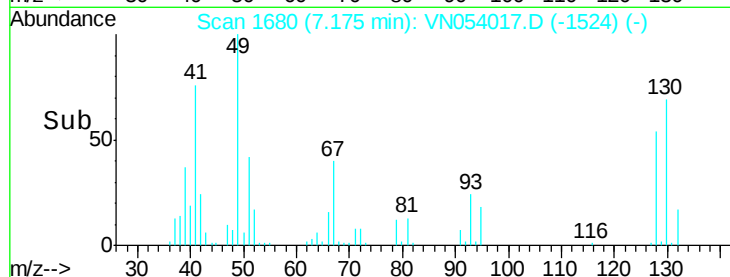
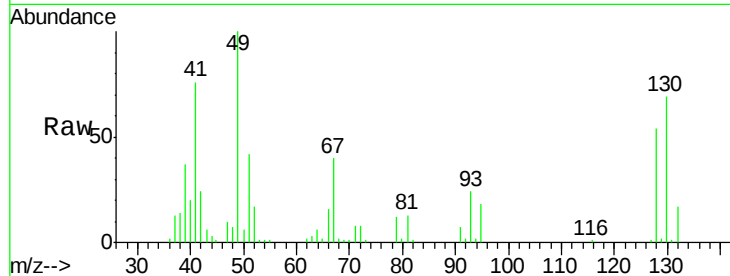
#35
Methacrylonitrile
Concen: 24.268 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN054017.D
Acq: 1 Mar 2019 9:16

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC020

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	48.1	26.6	79.7	
67	53.4	32.3	96.9	
52	23.0	13.0	38.9	

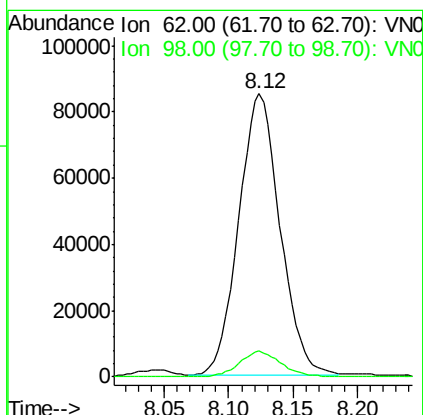
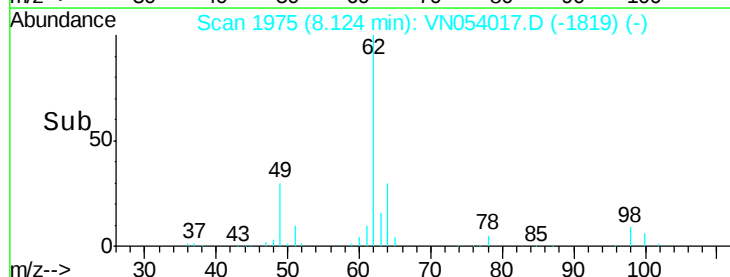
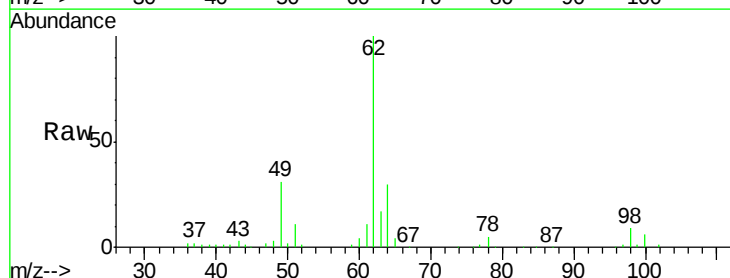
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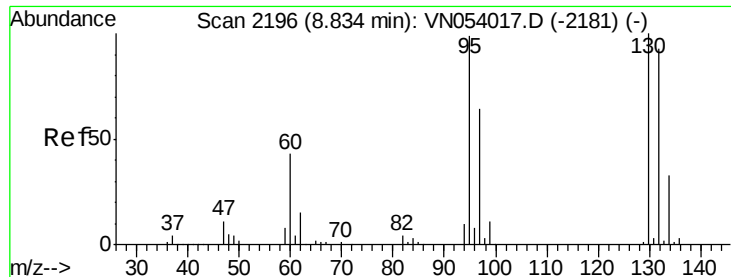
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#36
1,2-Dichloroethane
Concen: 22.989 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN054017.D
Acq: 1 Mar 2019 9:16

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.3	7.4	11.2	





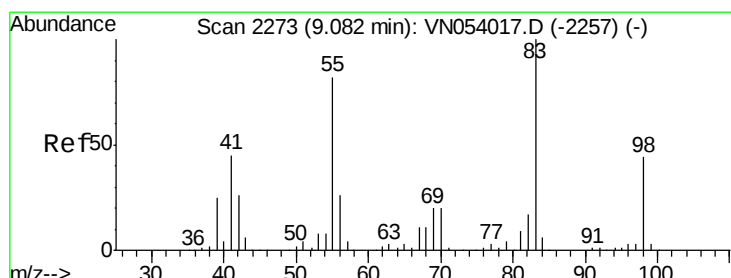
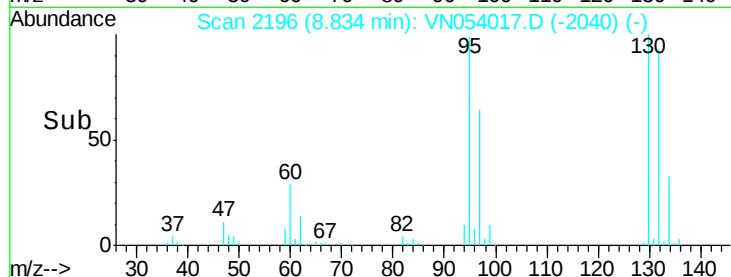
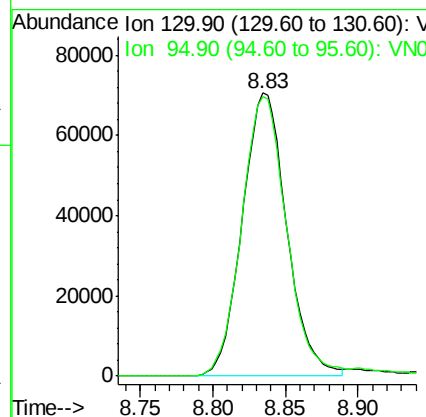
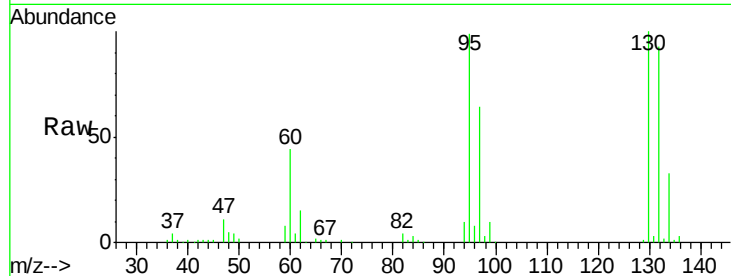
#37
 Trichloroethene
 Concen: 19.585 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. 0.00 min
 Lab File: VN054017.D
 Acq: 1 Mar 2019 9:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion:130 Resp: 150653
 Ion Ratio Lower Upper
 130 100
 95 98.9 81.0 121.4

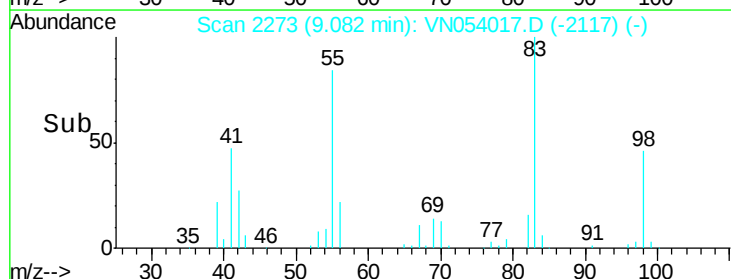
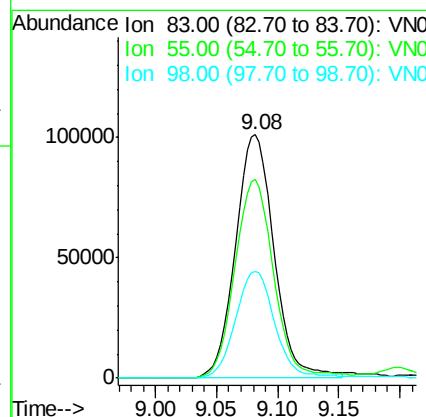
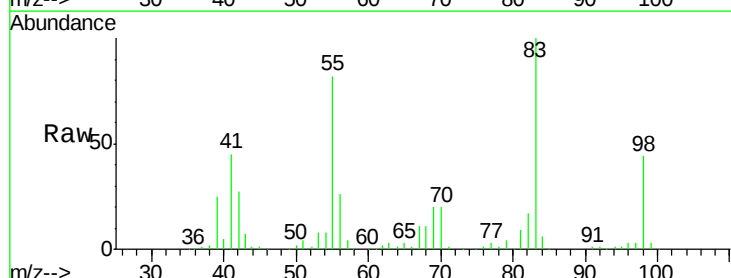
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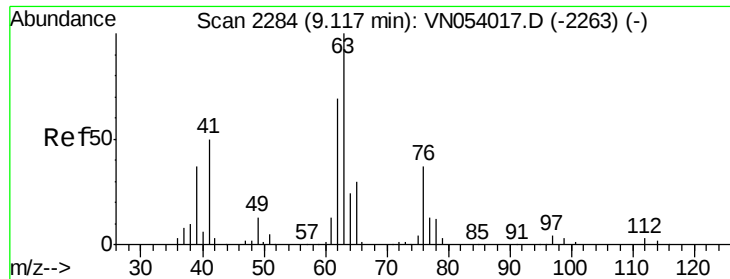
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#38
 Methylcyclohexane
 Concen: 20.110 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: VN054017.D
 Acq: 1 Mar 2019 9:16

Tgt Ion: 83 Resp: 222229
 Ion Ratio Lower Upper
 83 100
 55 80.8 39.8 119.4
 98 44.5 22.9 68.5





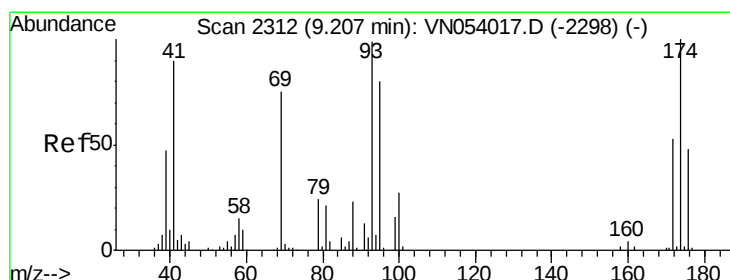
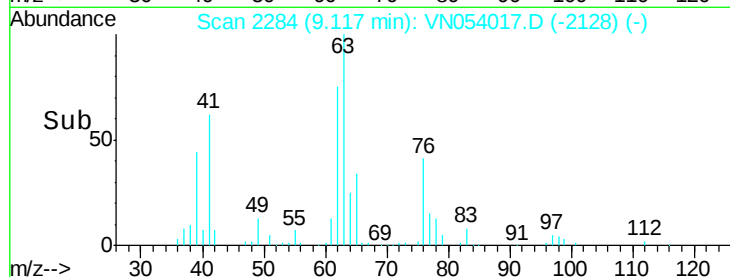
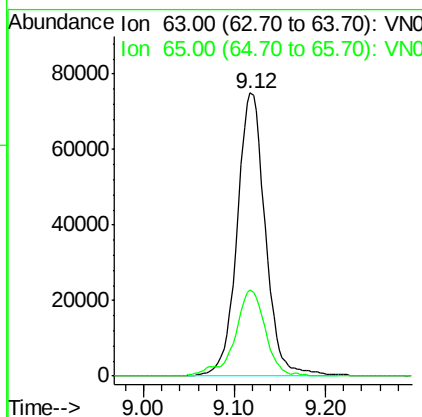
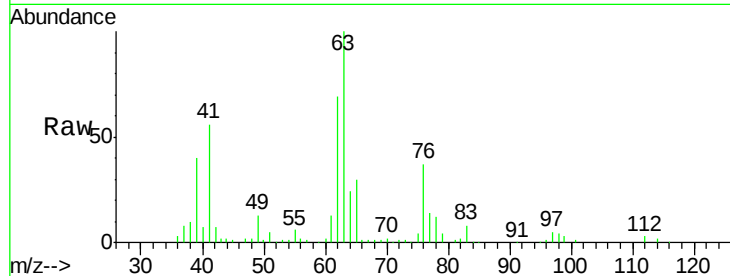
#39
 1,2-Dichloropropane
 Concen: 21.814 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN054017.D
 Acq: 1 Mar 2019 9:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion: 63 Resp: 161744
 Ion Ratio Lower Upper
 63 100
 65 30.4 23.6 35.4

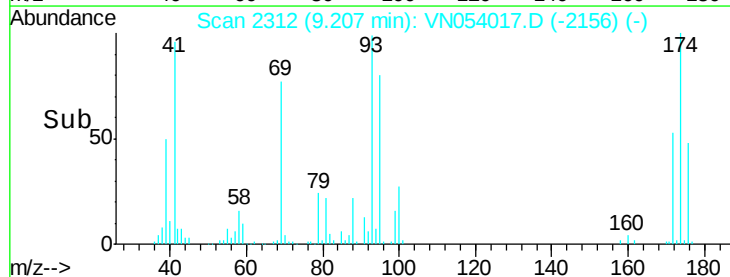
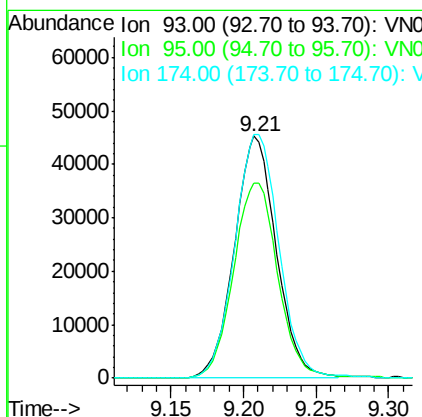
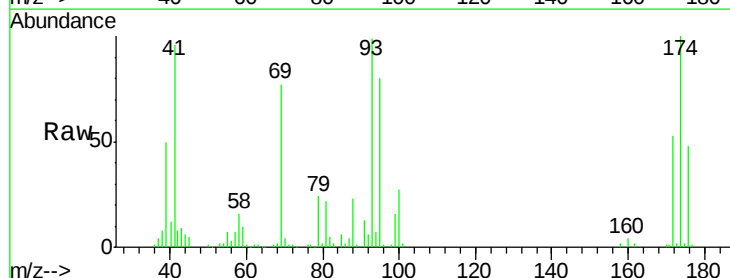
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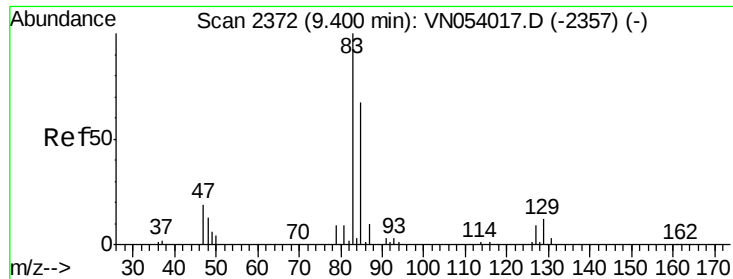
MMDadoda
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#40
 Dibromomethane
 Concen: 21.751 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN054017.D
 Acq: 1 Mar 2019 9:16

Tgt Ion: 93 Resp: 91208
 Ion Ratio Lower Upper
 93 100
 95 85.1 0.0 168.4
 174 105.4 0.0 210.0





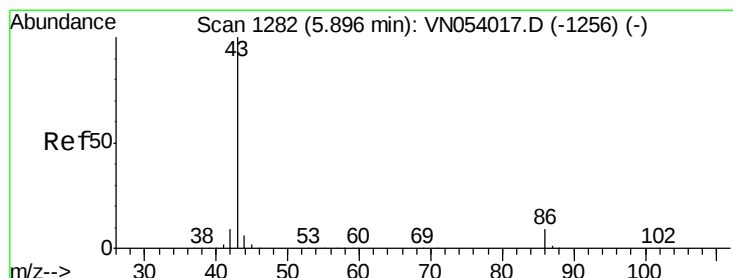
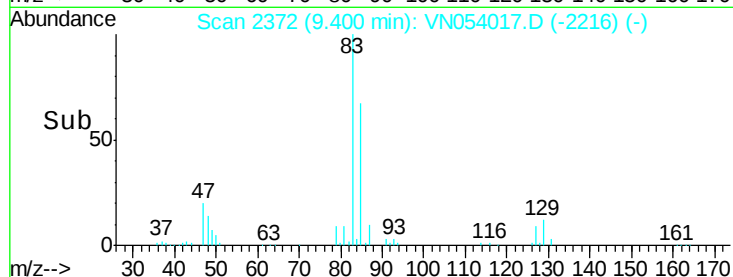
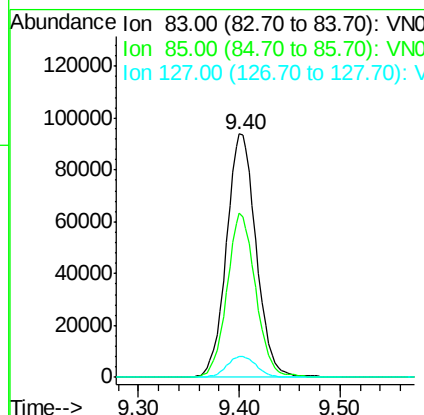
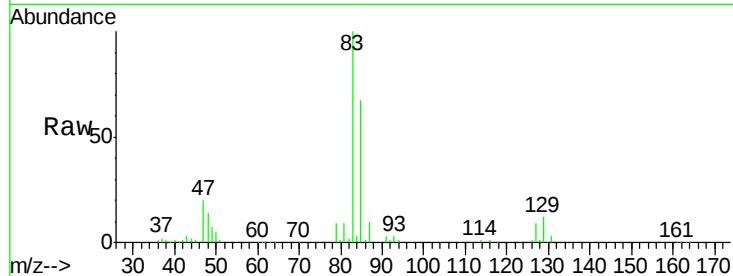
#41
 Bromodichloromethane
 Concen: 21.397 ug/l
 RT: 9.40 min Scan# 2372
 Delta R.T. 0.00 min
 Lab File: VN054017.D
 Acq: 1 Mar 2019 9:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion	83	Resp	192683
Ion Ratio	100	Lower	Upper
83	100		
85	67.2	52.4	78.6
127	8.6	6.6	9.8

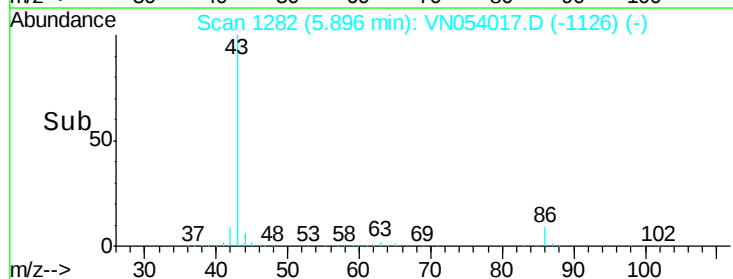
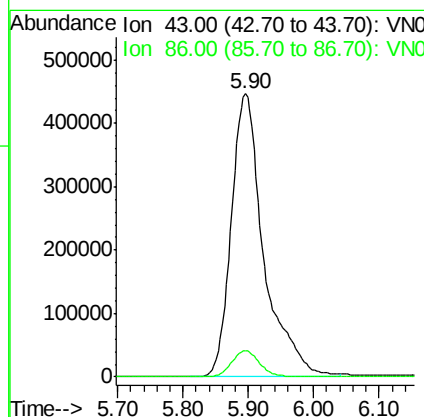
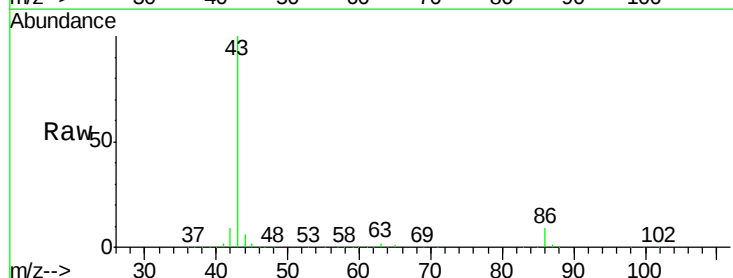
Manual Integrations
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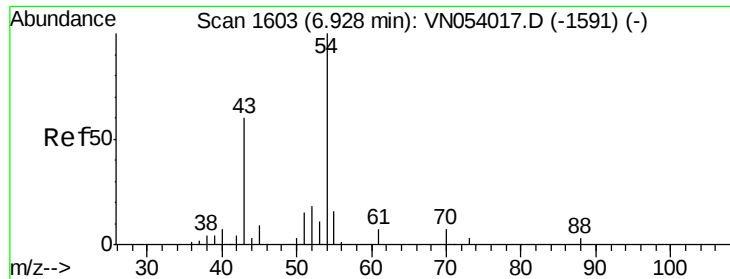
MMDadoda
 3/6/2019 10:23:12 AM



#42
 Vinyl Acetate
 Concen: 120.118 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN054017.D
 Acq: 1 Mar 2019 9:16

Tgt Ion	43	Resp	1544711
Ion Ratio	100	Lower	Upper
43	100		
86	8.1	6.5	9.7





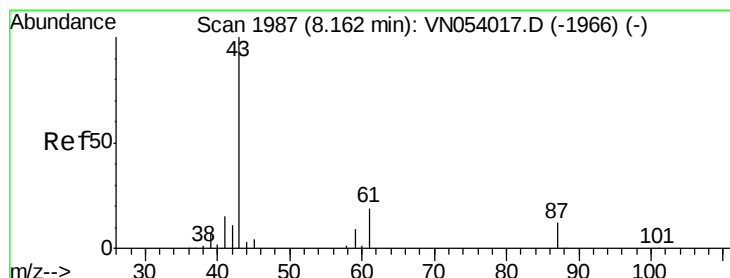
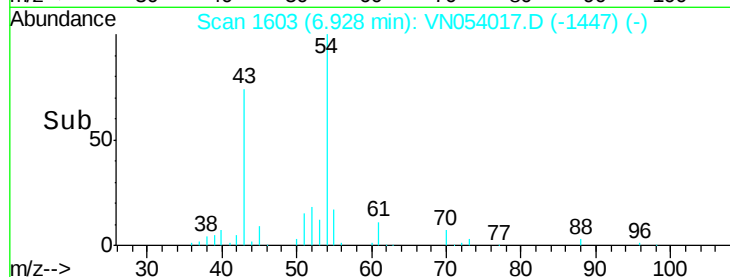
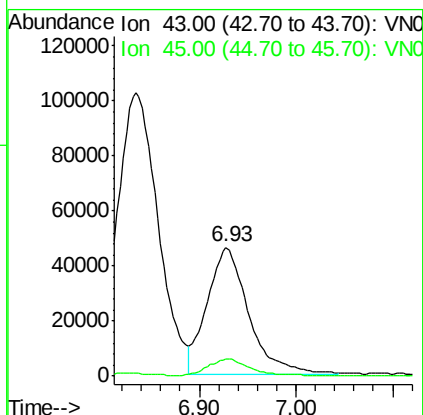
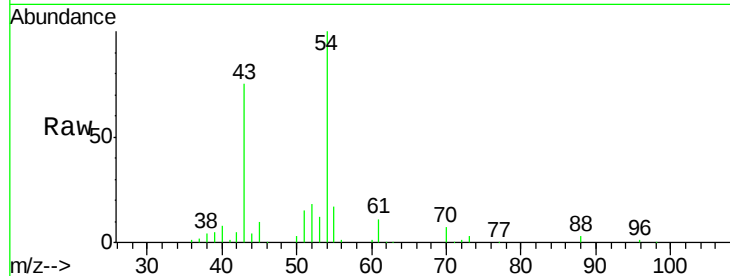
#43
Ethyl Acetate
Concen: 26.121 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VN054017.D
Acq: 1 Mar 2019 9:16

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC020

Tot Ion: 43 Resp: 137504
Ion Ratio Lower Upper
43 100
45 12.0 1.0 1.6#

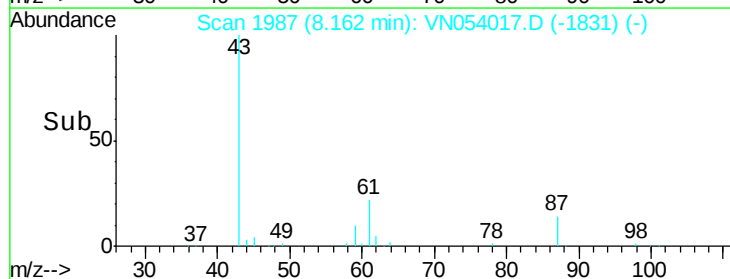
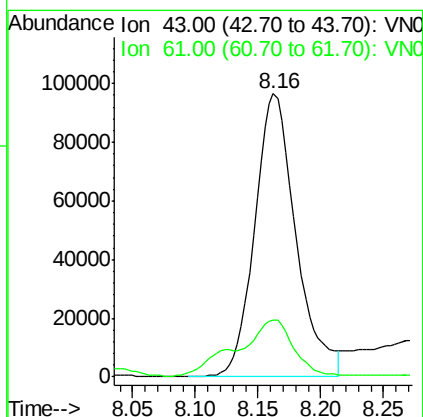
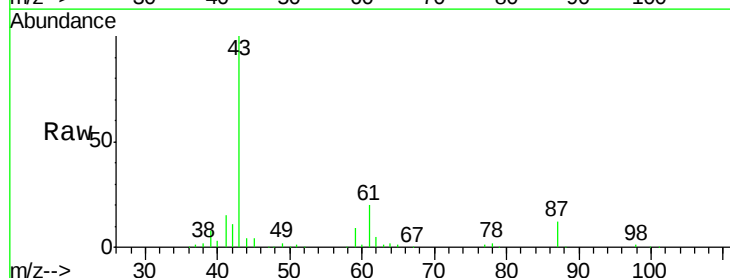
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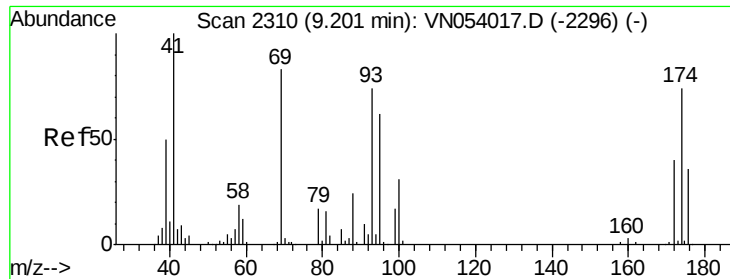
MMDadoda
3/6/2019 10:23:12 AM



#44
Isopropyl Acetate
Concen: 22.400 ug/l
RT: 8.16 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VN054017.D
Acq: 1 Mar 2019 9:16

Tgt Ion: 43 Resp: 219652
Ion Ratio Lower Upper
43 100
61 17.9 16.0 24.0





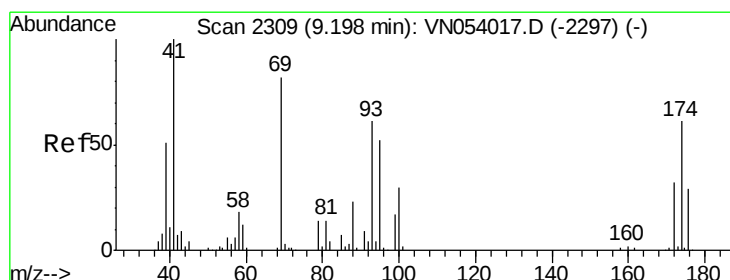
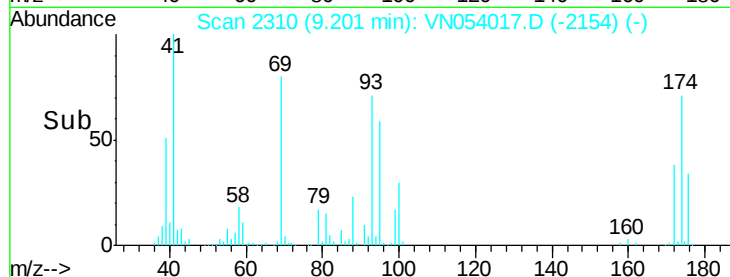
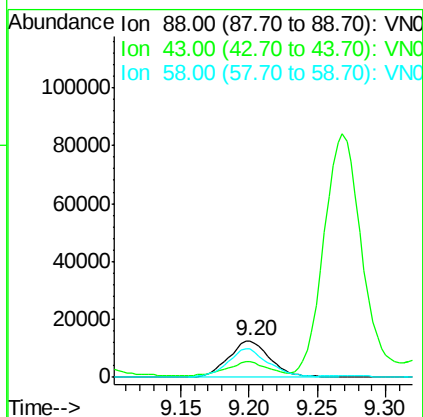
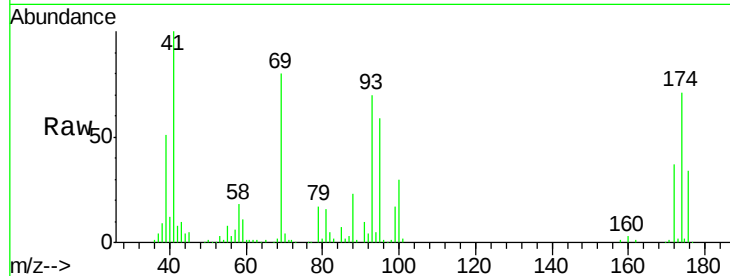
#45
1,4-Dioxane
Concen: 449.041 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN054017.D
Acq: 1 Mar 2019 9:16

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.8	29.5	44.3
58	76.7	61.5	92.3

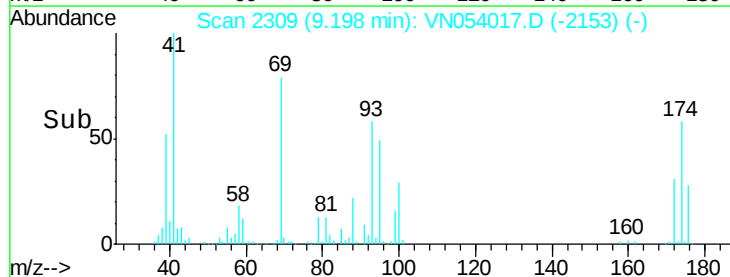
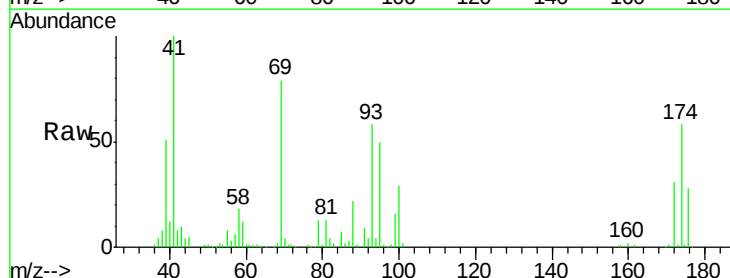
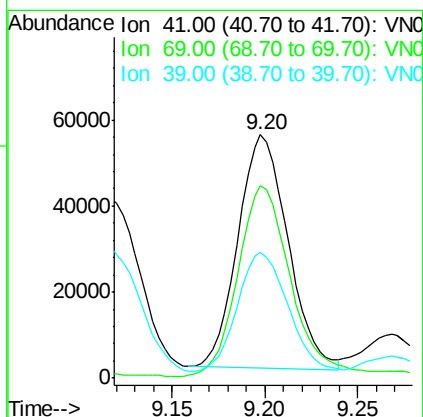
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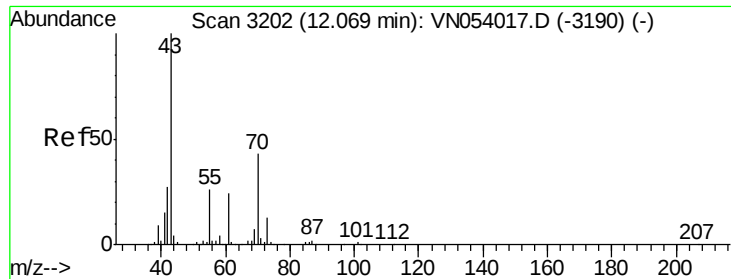
MMDadoda
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#46
Methyl methacrylate
Concen: 20.582 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN054017.D
Acq: 1 Mar 2019 9:16

Tgt Ion	Ratio	Lower	Upper
41	100		
69	81.8	42.5	127.6
39	50.8	26.3	78.9





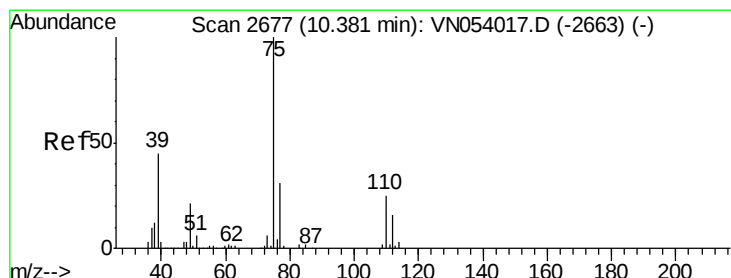
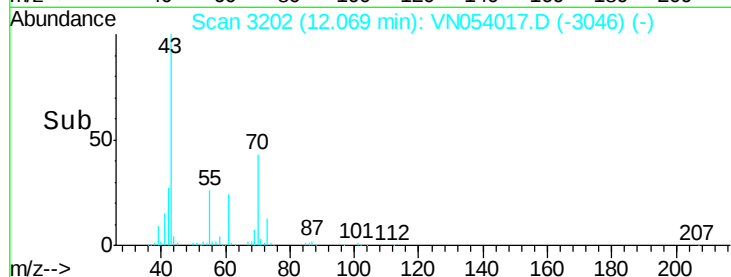
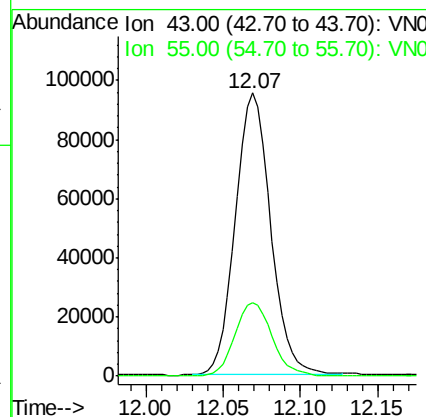
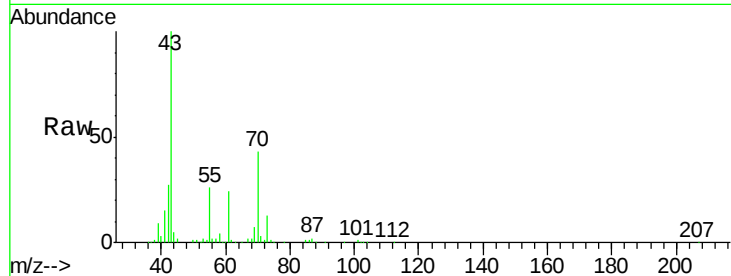
#47
n-amvl Acetate
Concen: 17.545 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN054017.D
Acq: 1 Mar 2019 9:16

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC020

Tot Ion: 43 Resp: 151090
Ion Ratio Lower Upper
43 100
55 27.4 21.1 31.7

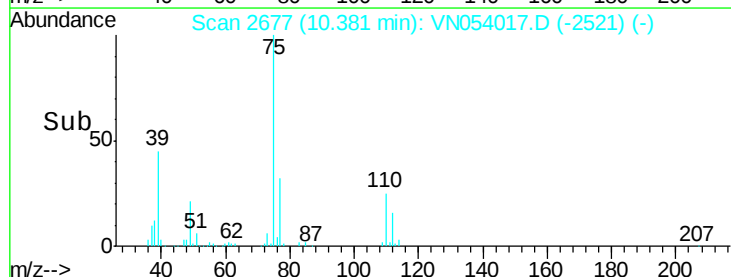
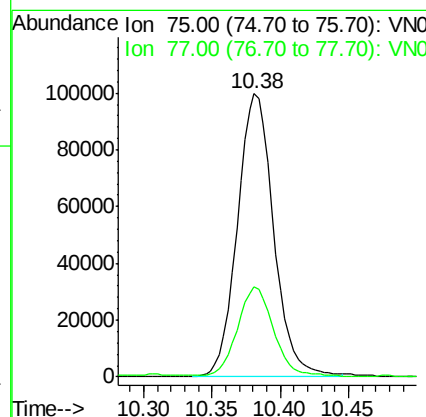
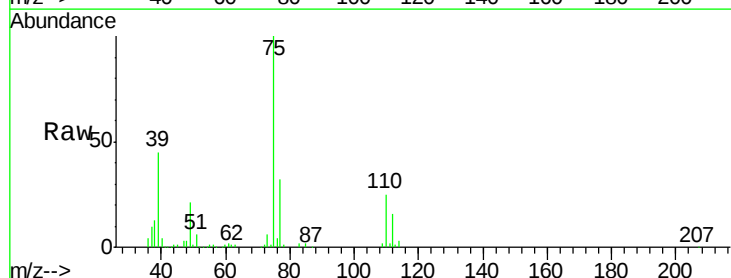
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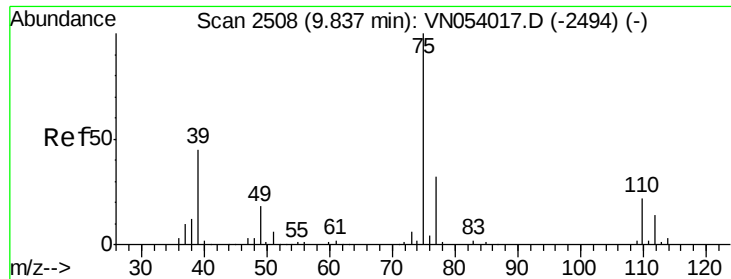
MMDadoda
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#48
t-1,3-Dichloropropene
Concen: 20.073 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN054017.D
Acq: 1 Mar 2019 9:16

Tgt Ion: 75 Resp: 184490
Ion Ratio Lower Upper
75 100
77 31.3 25.6 38.4





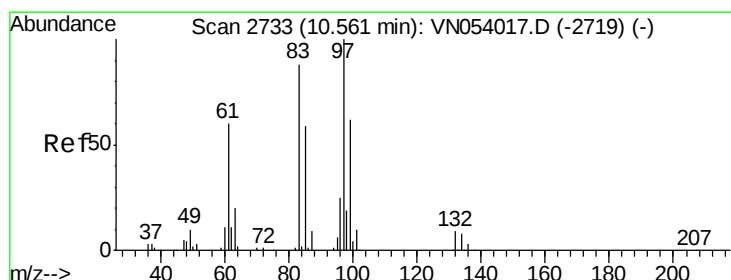
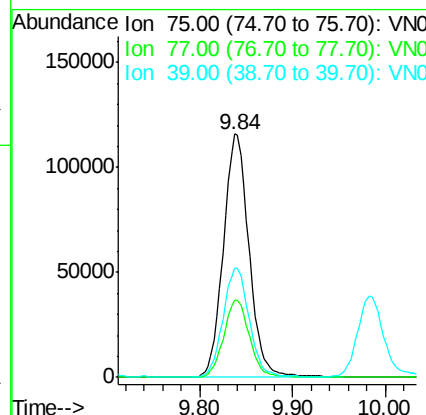
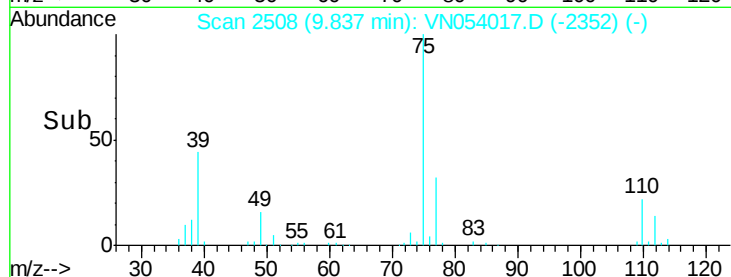
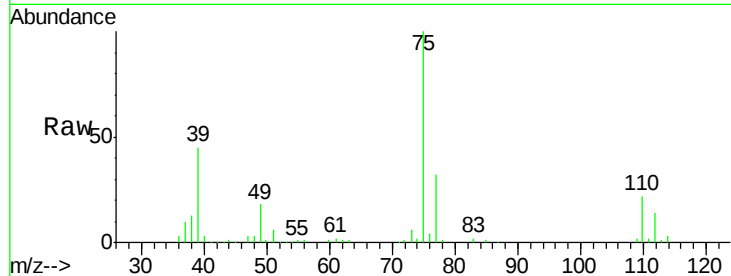
#49
 cis-1,3-Dichloropropene
 Concen: 20.585 ug/l
 RT: 9.84 min Scan# 2508
 Delta R.T. 0.00 min
 Lab File: VN054017.D
 Acq: 1 Mar 2019 9:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Resp	Lower	Upper
75	100	222781		
77	31.7	25.4	38.0	
39	44.5	37.3	55.9	

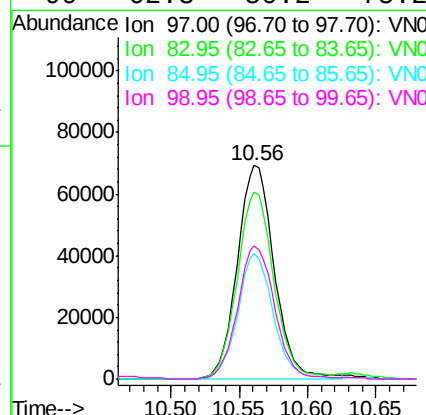
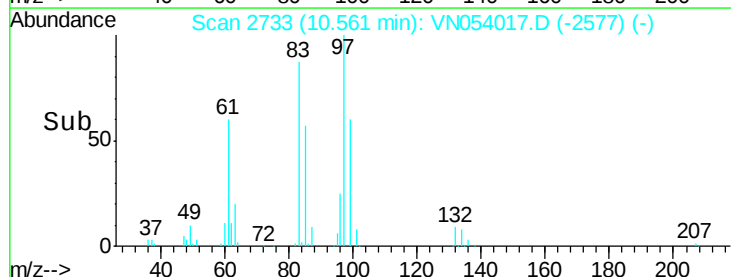
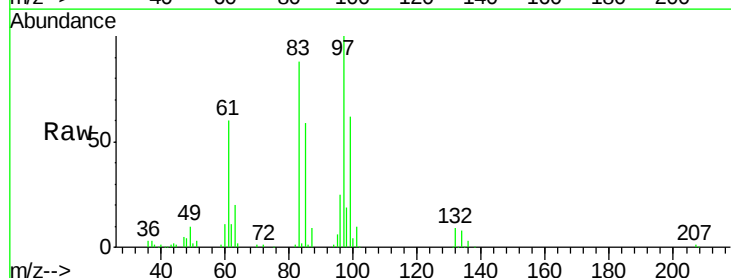
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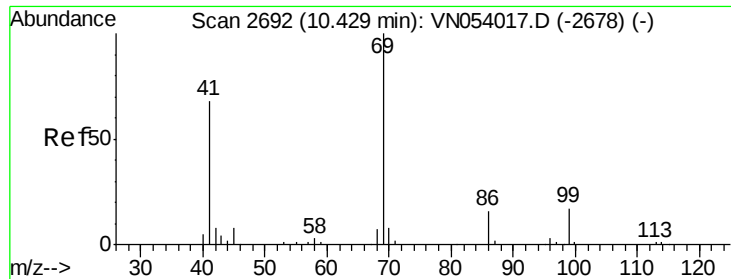
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#50
 1,1,2-Trichloroethane
 Concen: 21.627 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN054017.D
 Acq: 1 Mar 2019 9:16

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	130024		
83	87.6	70.4	105.6	
85	58.9	45.0	67.6	
99	62.3	50.2	75.2	





#51

Ethyl methacrylate

Concen: 18.437 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN054017.D

Acq: 1 Mar 2019 9:16

Instrument :

MSVOA_N

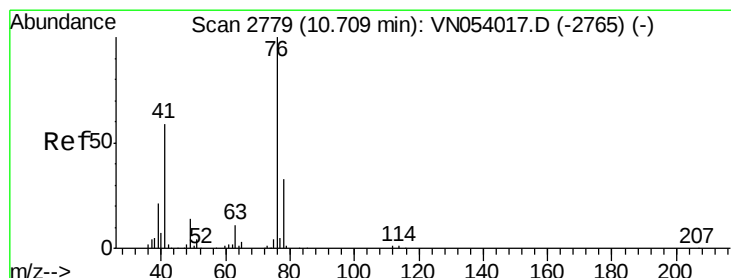
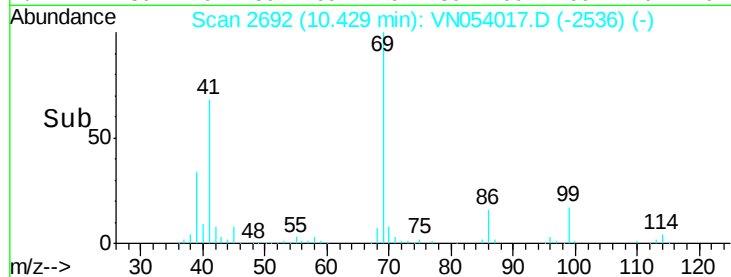
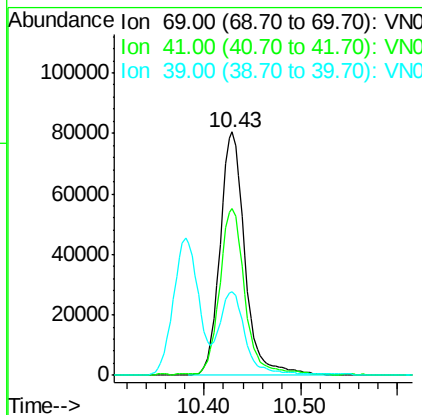
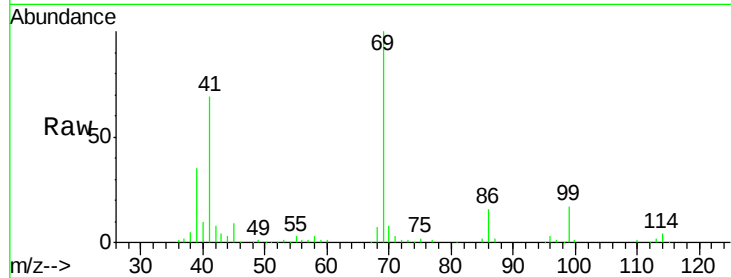
ClientSampled :

VSTDICCC020

Tot Ion:	69	Resp:	144464
Ion	Ratio	Lower	Upper
69	100		
41	68.3	34.4	103.3
39	33.9	16.4	49.2

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 21.280 ug/l

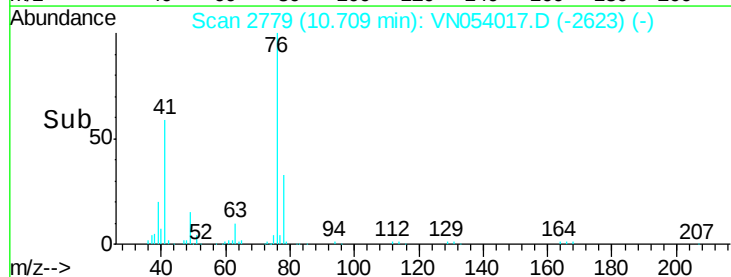
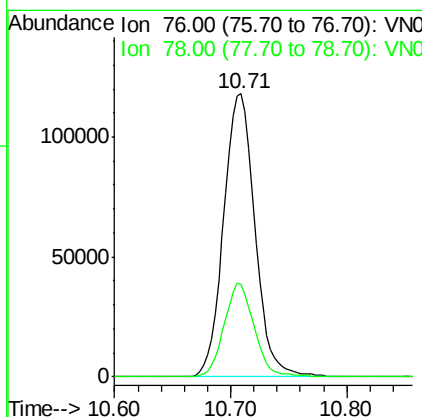
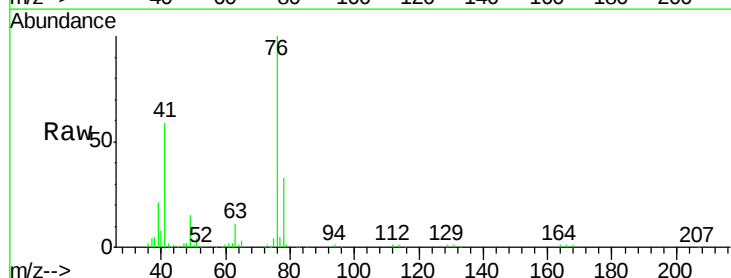
RT: 10.71 min Scan# 2779

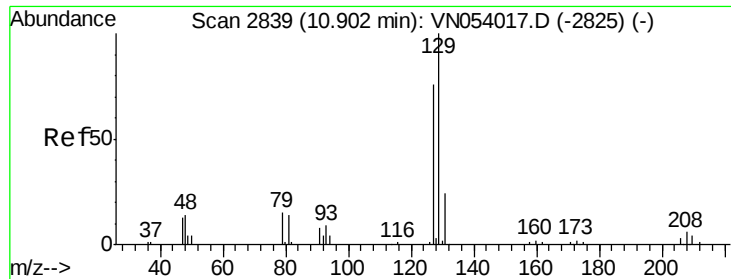
Delta R.T. 0.00 min

Lab File: VN054017.D

Acq: 1 Mar 2019 9:16

Tgt Ion:	76	Resp:	220393
Ion	Ratio	Lower	Upper
76	100		
78	32.0	0.0	64.8





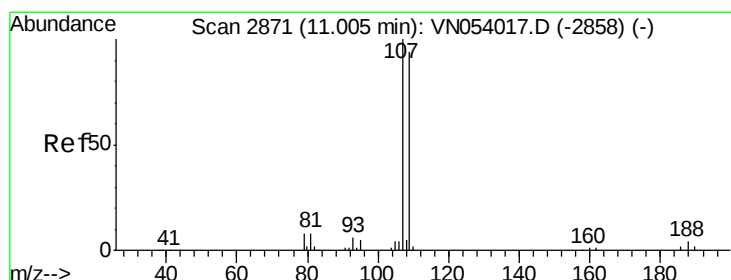
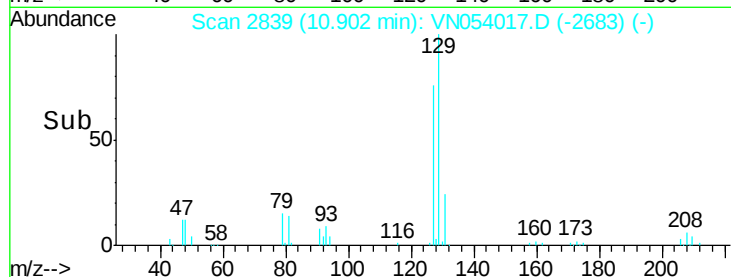
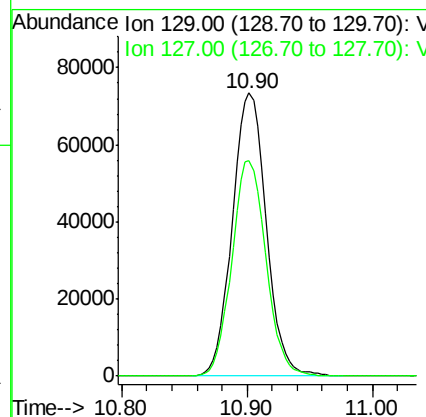
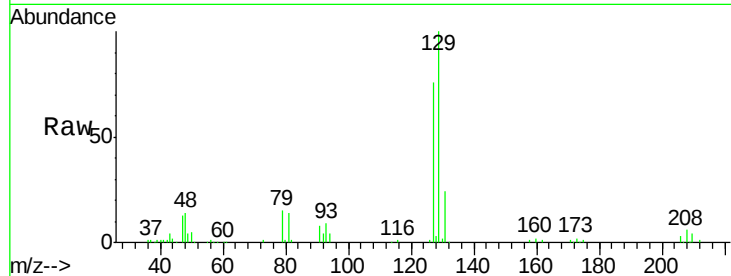
#53
 Dibromochloromethane
 Concen: 20.454 ug/l
 RT: 10.90 min Scan# 2839
 Delta R.T. 0.00 min
 Lab File: VN054017.D
 Acq: 1 Mar 2019 9:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
129	100		
127	76.5	37.6	112.8

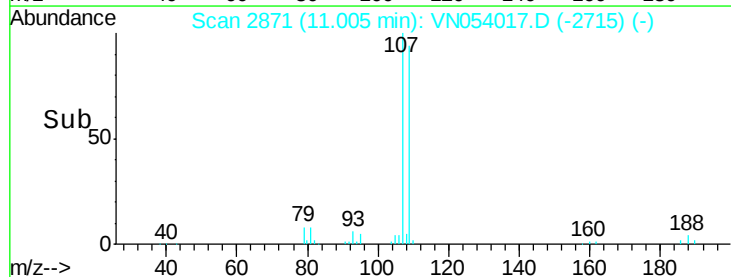
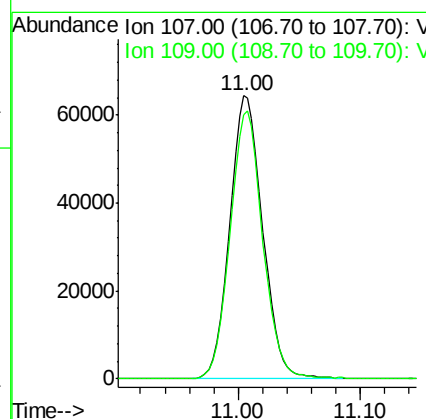
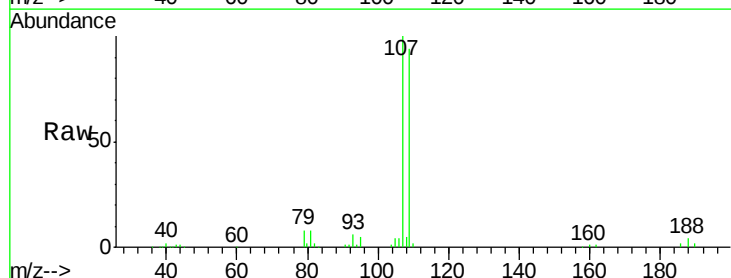
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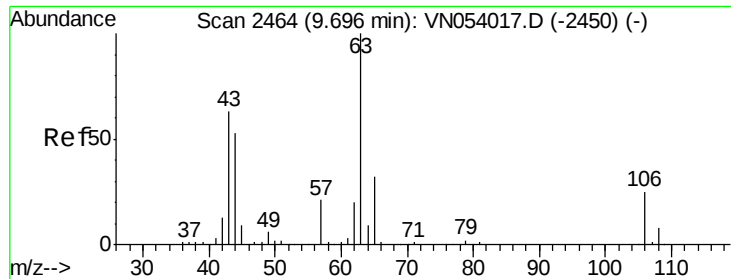
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 3/6/2019 10:23:12 AM



#54
 1,2-Dibromoethane
 Concen: 19.961 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN054017.D
 Acq: 1 Mar 2019 9:16

Tgt Ion	Ratio	Lower	Upper
107	100		
109	94.1	77.1	115.7





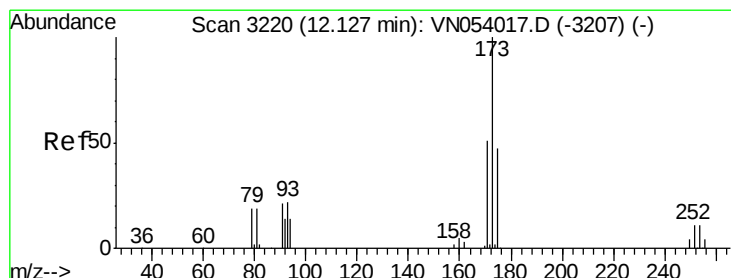
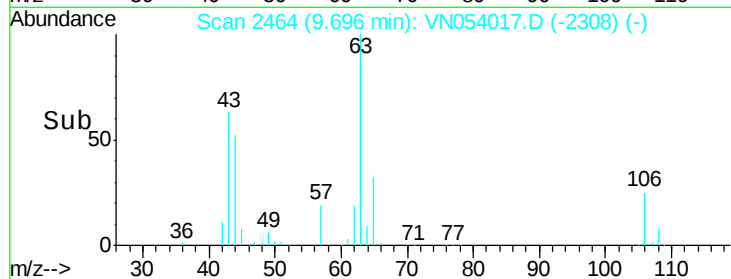
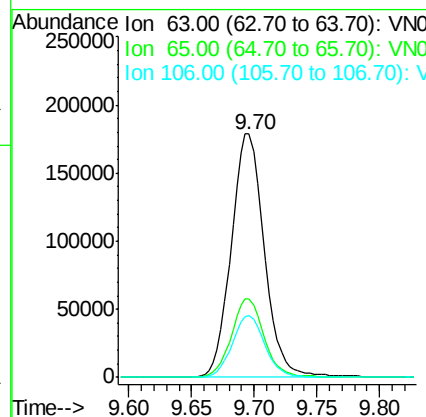
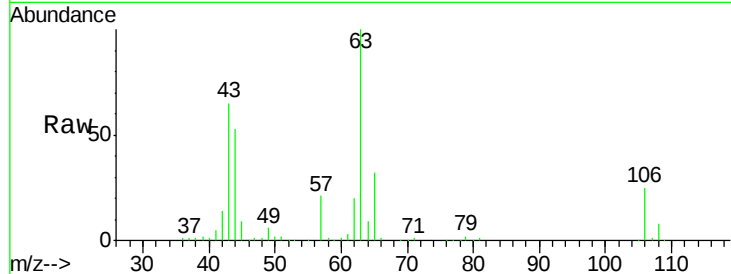
#55
2-Chloroethyl vinyl ether
Concen: 73.039 ug/l
RT: 9.70 min Scan# 2464
Delta R.T. 0.00 min
Lab File: VN054017.D
Acq: 1 Mar 2019 9:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.1	25.4	38.2
106	25.0	20.4	30.6

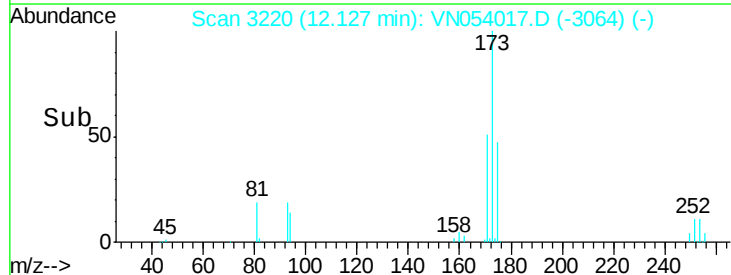
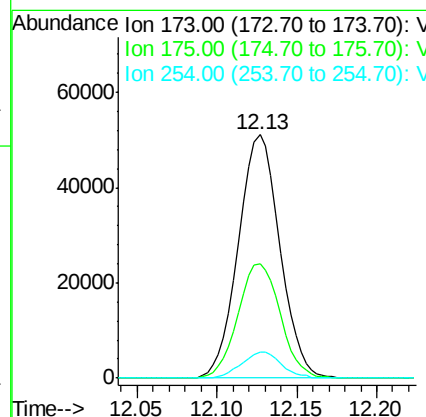
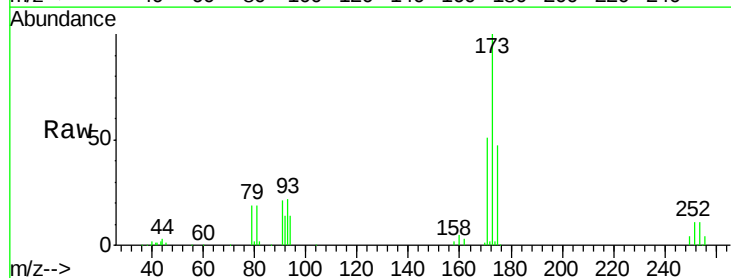
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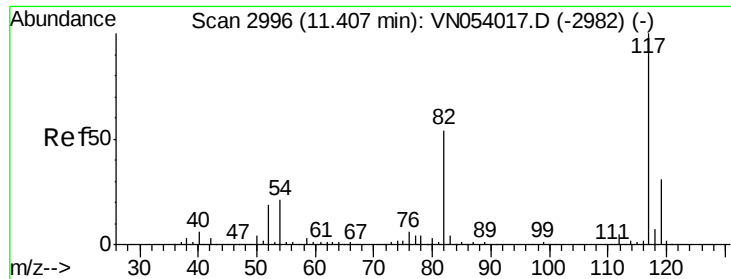
MMDadoda
3/6/2019 10:23:12 AM



#56
Bromoform
Concen: 19.570 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN054017.D
Acq: 1 Mar 2019 9:16

Tgt Ion	Ratio	Lower	Upper
173	100		
175	47.9	38.7	58.1
254	10.2	8.4	12.6





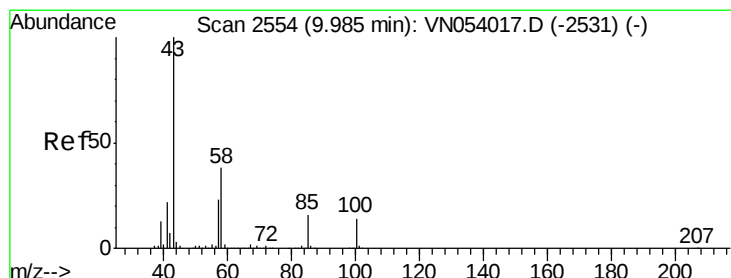
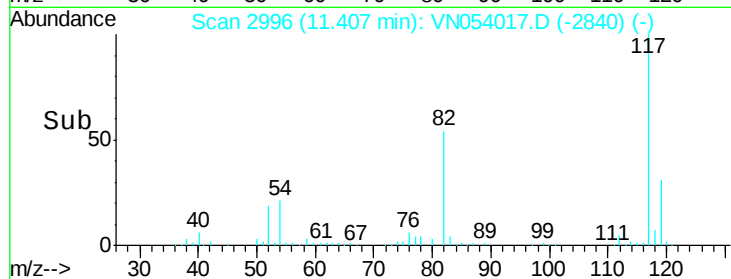
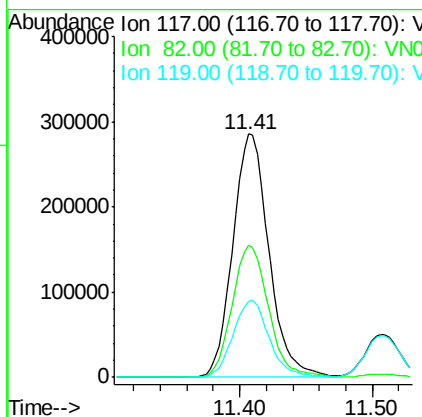
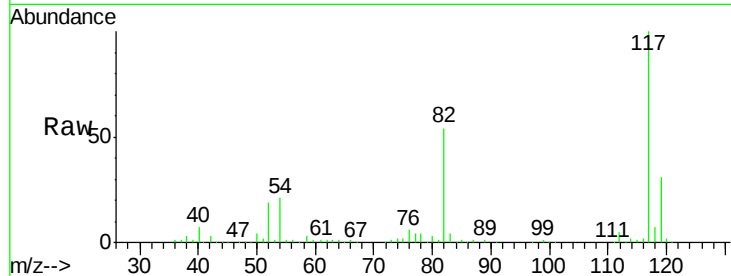
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054017.D
Acq: 1 Mar 2019 9:16

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC020

Tot Ion	Ratio	Resp	Lower	Upper
117	100	539925		
82	54.7	44.2	66.2	
119	31.7	25.4	38.2	

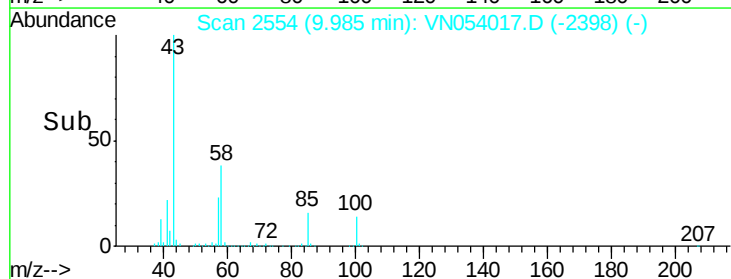
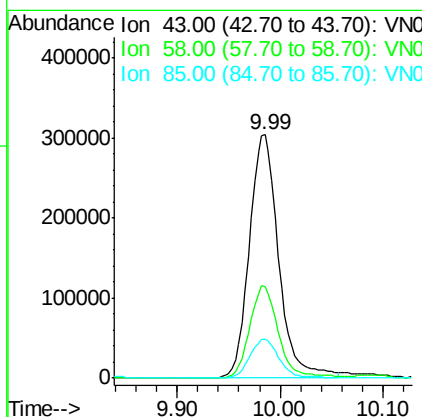
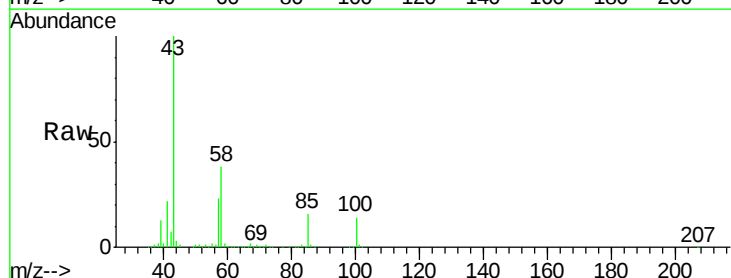
Manual Integrations
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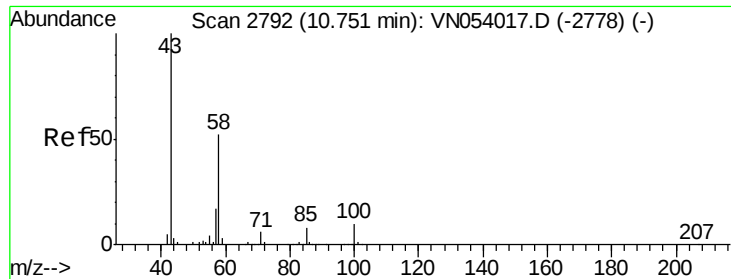
MMDadoda
3/6/2019 10:23:12 AM



#58
4-Methyl-2-Pentanone
Concen: 115.854 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN054017.D
Acq: 1 Mar 2019 9:16

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	596061		
58	37.6	31.6	47.4	
85	15.8	13.3	19.9	





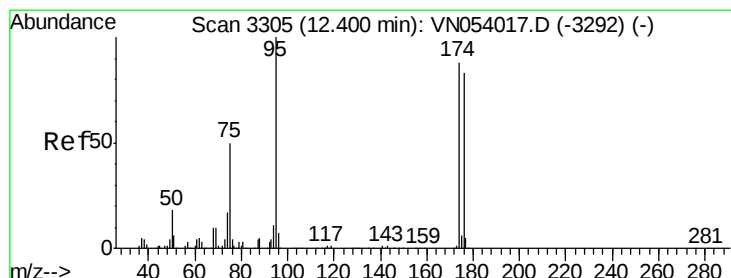
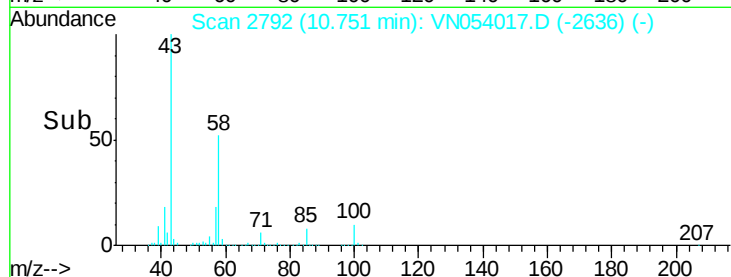
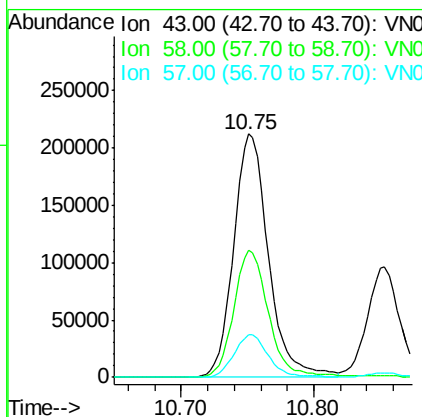
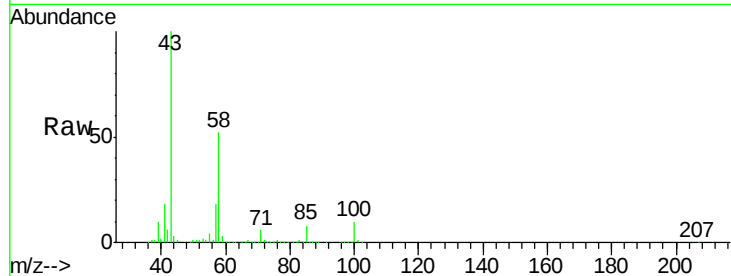
#59
2-Hexanone
Concen: 108.270 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN054017.D
Acq: 1 Mar 2019 9:16

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	52.4	43.2	64.8
57	17.6	14.9	22.3

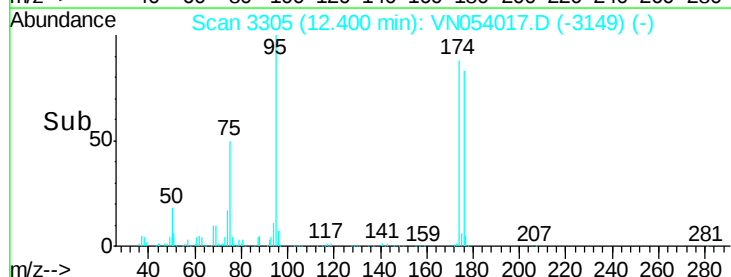
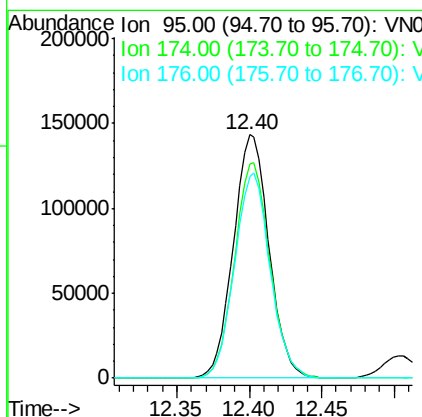
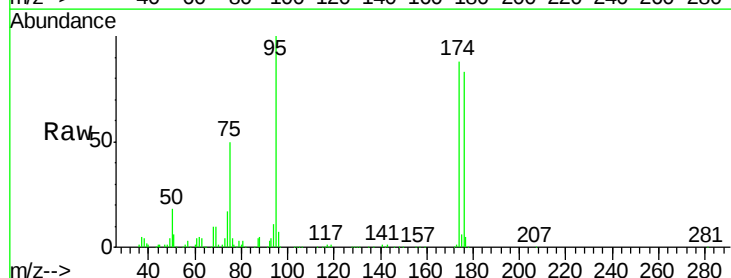
Manual Integrations
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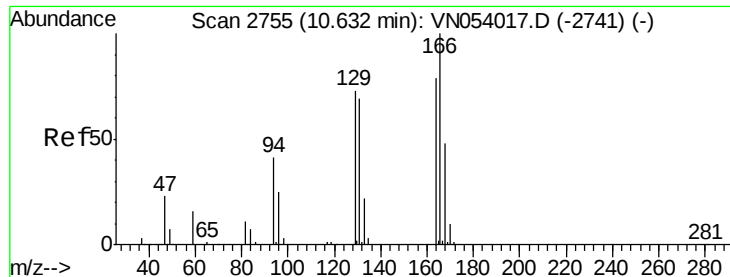
MMDadoda
3/6/2019 10:23:12 AM



#60
4-Bromofluorobenzene
Concen: 108.270 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN054017.D
Acq: 1 Mar 2019 9:16

Tgt Ion	Ratio	Lower	Upper
95	100		
174	88.0	67.9	101.9
176	84.1	66.4	99.6





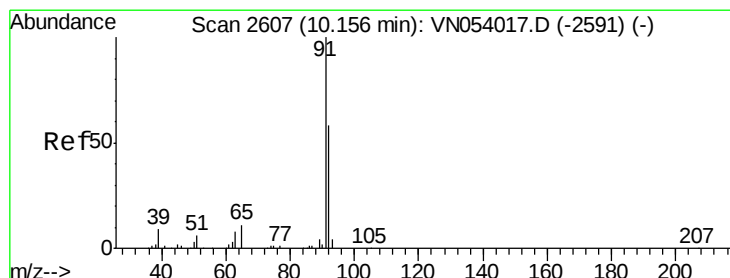
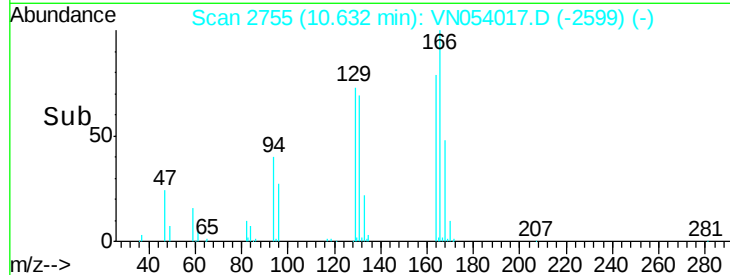
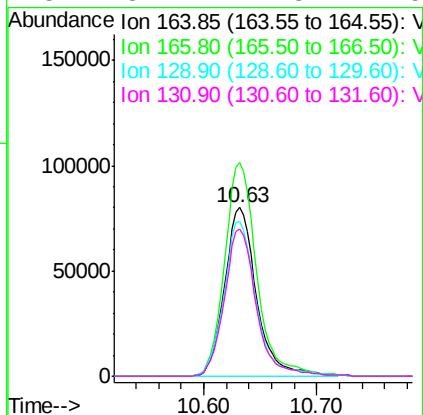
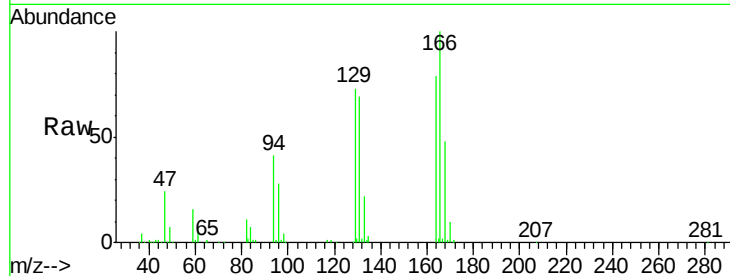
#61
Tetrachloroethene
Concen: 19.750 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN054017.D
Acq: 1 Mar 2019 9:16

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
164	100		
166	126.9	104.6	157.0
129	92.1	75.3	112.9
131	87.4	74.3	111.5

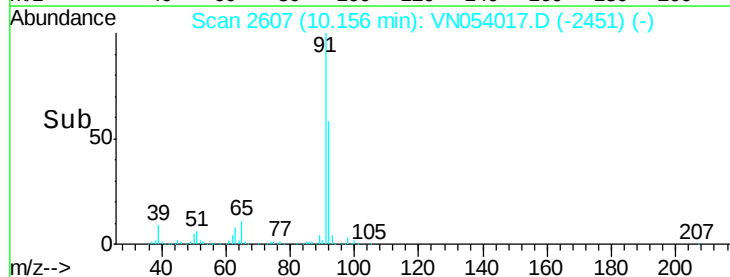
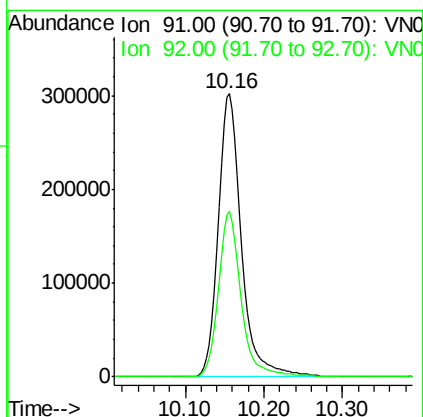
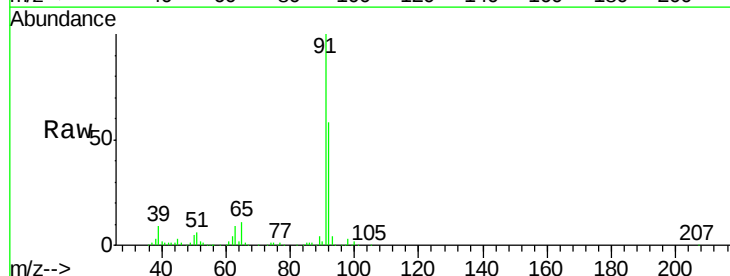
Manual Integrations
APPROVED

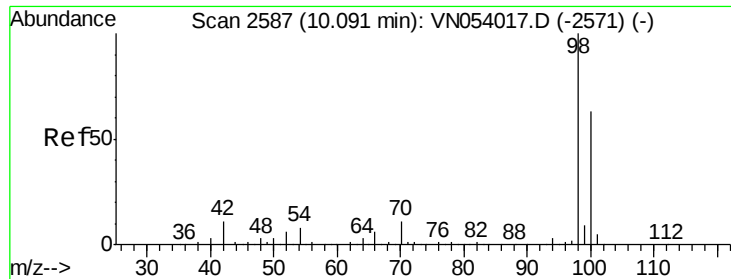
MMDadoda
3/6/2019 10:23:12 AM



#62
Toluene
Concen: 20.654 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN054017.D
Acq: 1 Mar 2019 9:16

Tgt Ion	Ratio	Lower	Upper
91	100		
92	57.3	45.4	68.2





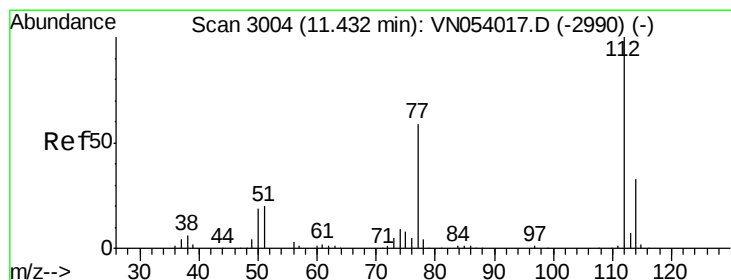
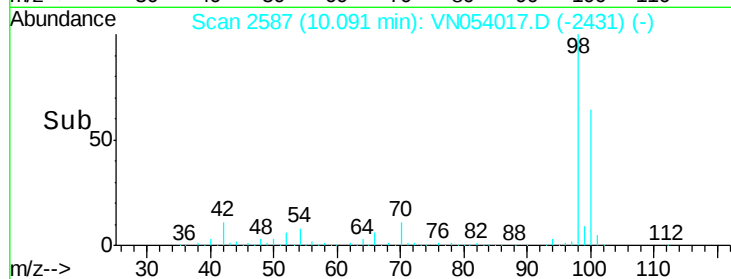
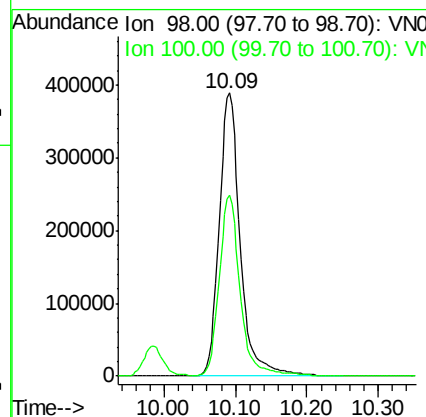
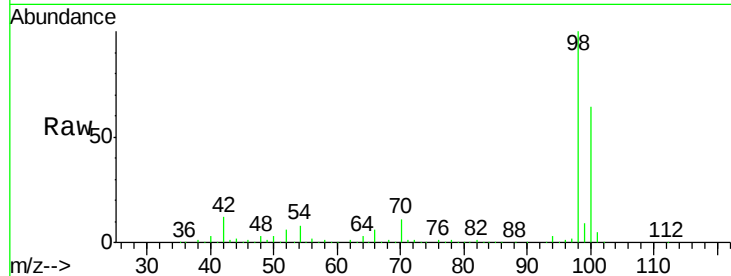
#63
Toluene-d8
Concen: 20.654 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN054017.D
Acq: 1 Mar 2019 9:16

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC020

Tot Ion: 98 Resp: 793603
Ion Ratio Lower Upper
98 100
100 63.8 51.1 76.7

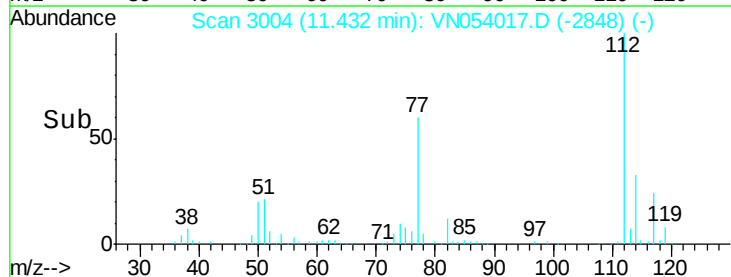
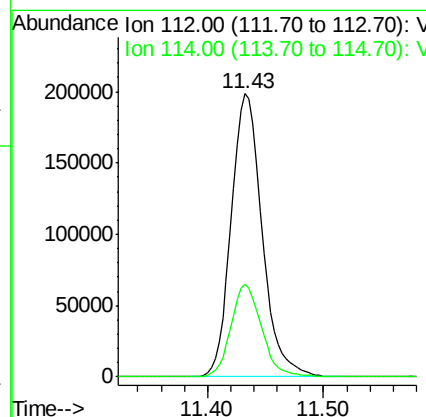
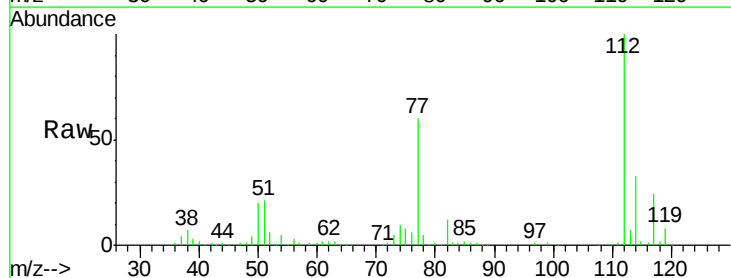
Manual Integrations
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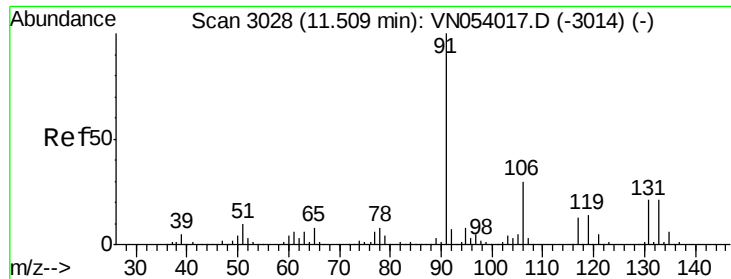
MMDadoda
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#64
Chlorobenzene
Concen: 19.692 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN054017.D
Acq: 1 Mar 2019 9:16

Tgt Ion: 112 Resp: 365902
Ion Ratio Lower Upper
112 100
114 32.8 25.6 38.4





#65

1,1,1,2-Tetrachloroethane

Concen: 20.569 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN054017.D

Acq: 1 Mar 2019 9:16

Instrument :

MSVOA_N

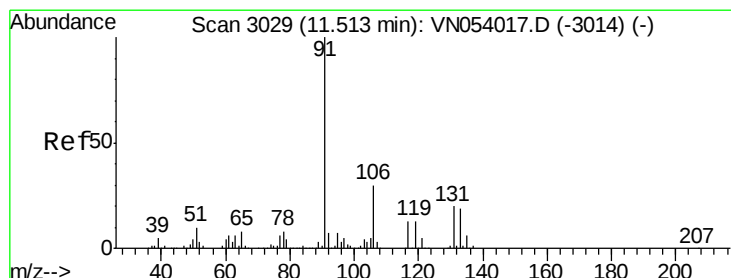
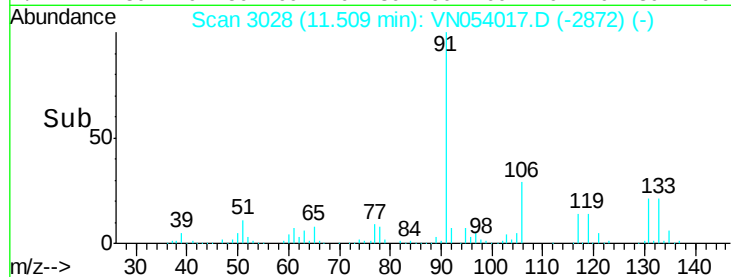
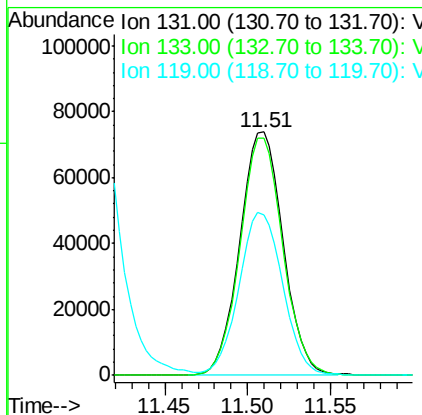
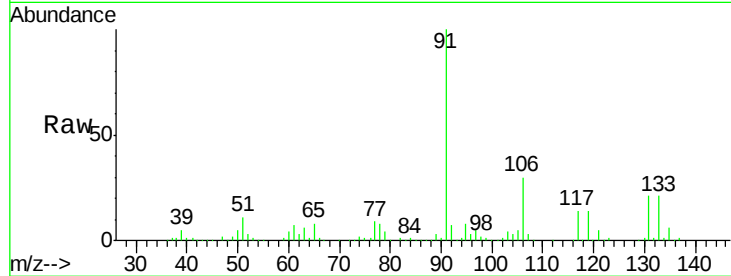
ClientSampled :

VSTDICCC020

Tot Ion	Ratio	Resp	Lower	Upper
131	100	134075		
133	96.8	0.0	193.4	
119	67.7	0.0	133.0	

Manual Integrations
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#66

Ethyl Benzene

Concen: 19.534 ug/l

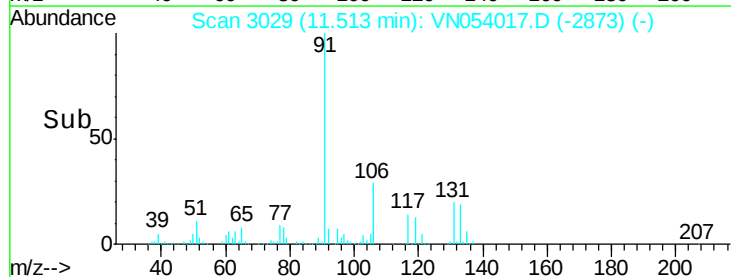
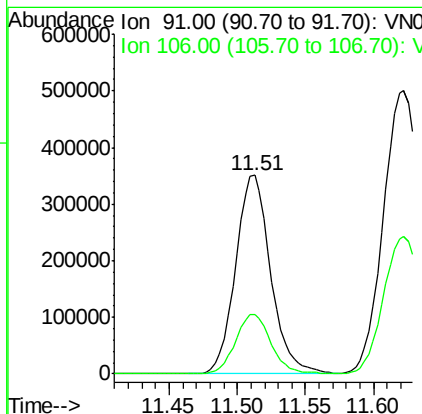
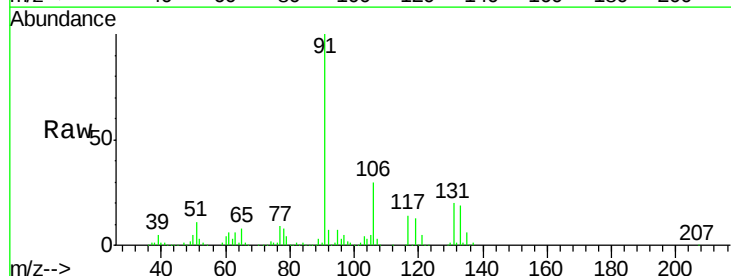
RT: 11.51 min Scan# 3029

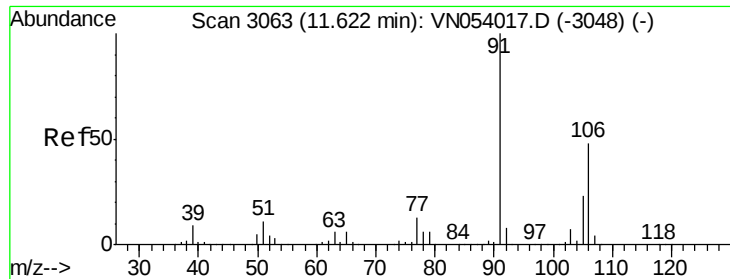
Delta R.T. 0.00 min

Lab File: VN054017.D

Acq: 1 Mar 2019 9:16

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	627264		
106	30.1	24.3	36.5	





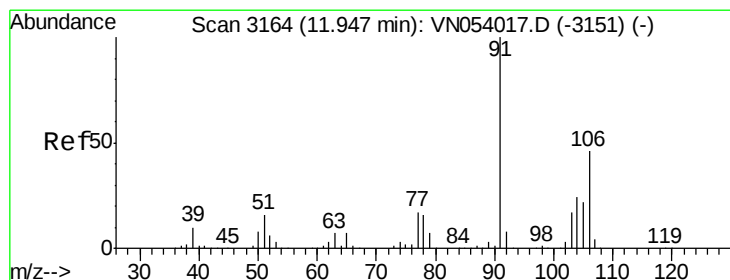
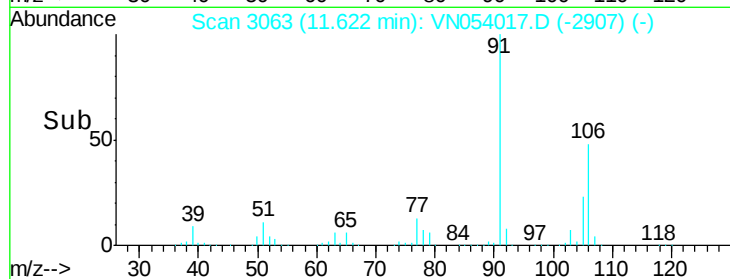
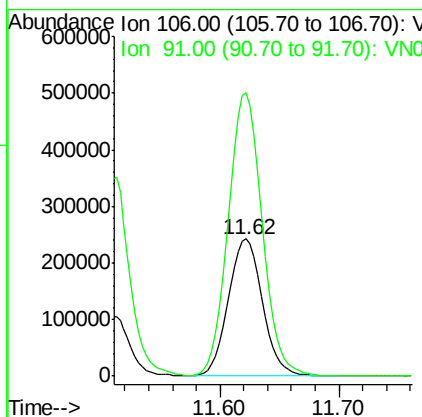
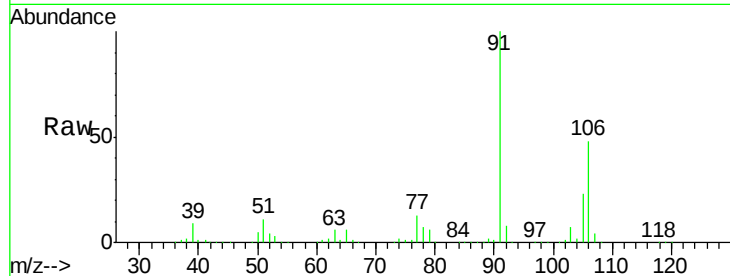
#67
m/p-Xvlenes
Concen: 39.751 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN054017.D
Acq: 1 Mar 2019 9:16

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC020

Tot Ion:106 Resp: 482757
Ion Ratio Lower Upper
106 100
91 205.2 163.9 245.9

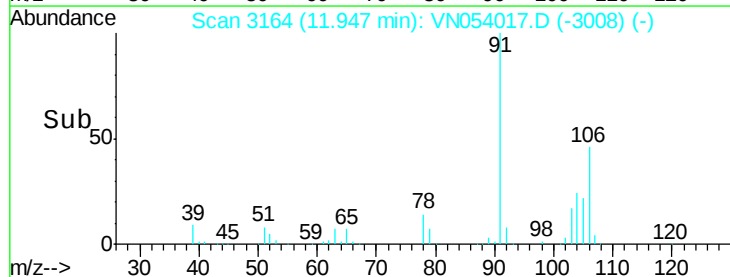
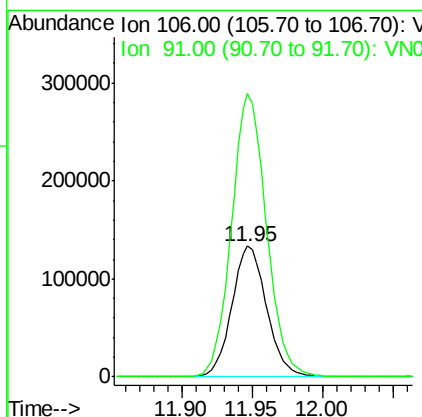
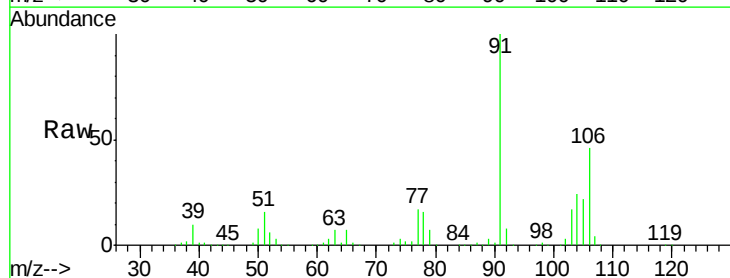
Manual Integrations
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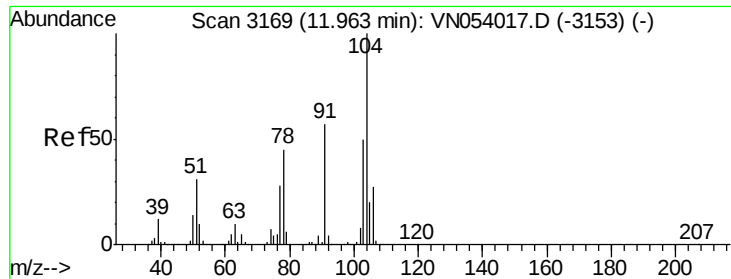
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#68
o-Xylene
Concen: 19.569 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054017.D
Acq: 1 Mar 2019 9:16

Tgt Ion:106 Resp: 230298
Ion Ratio Lower Upper
106 100
91 217.1 107.8 323.4





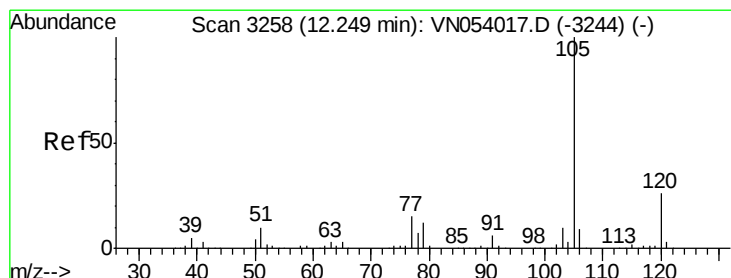
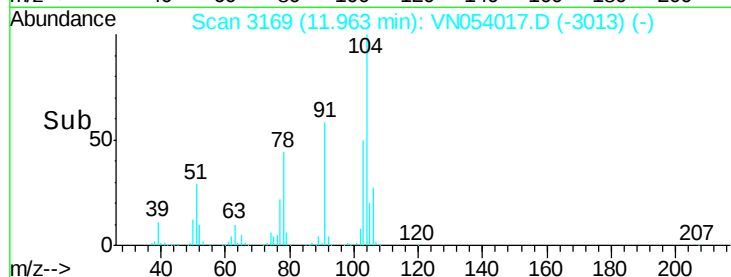
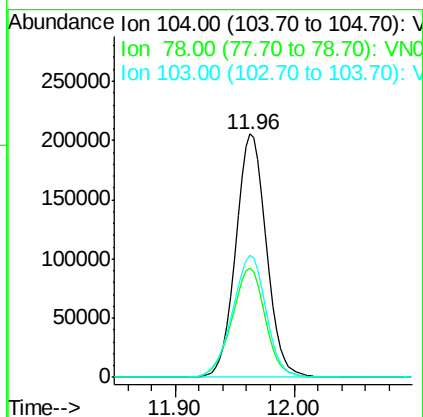
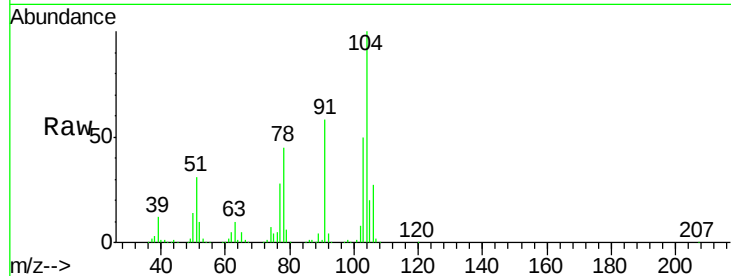
#69
Stvrene
Concen: 19.047 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN054017.D
Acq: 1 Mar 2019 9:16

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC020

Tot Ion	Ratio	Resp	Lower	Upper
104	100	365880		
78	49.4		39.3	58.9
103	55.2		44.6	66.8

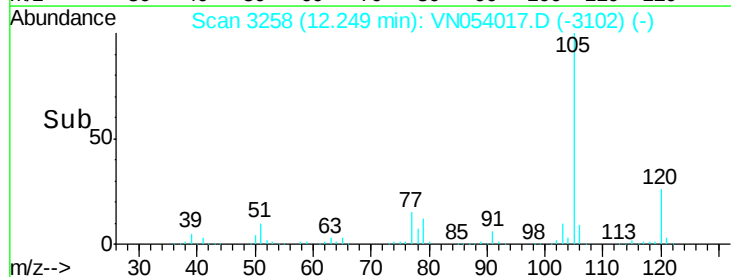
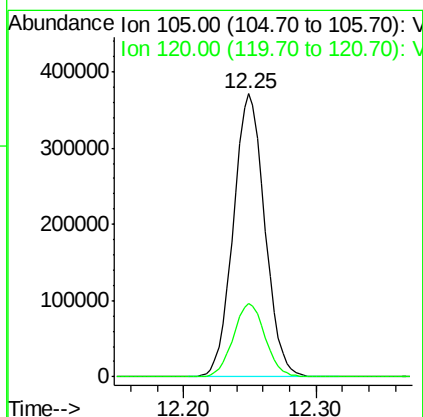
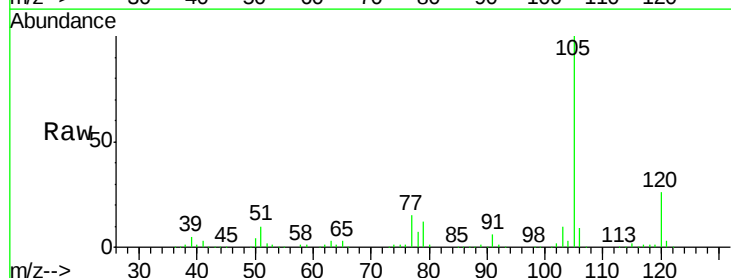
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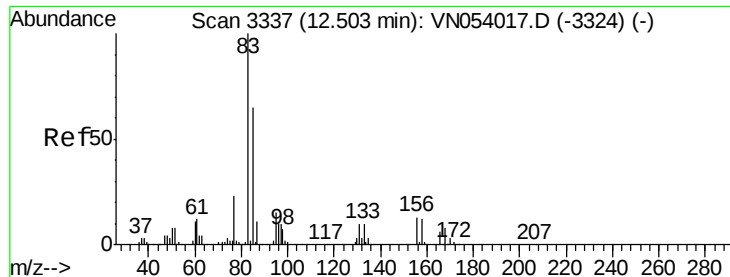
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#70
Isopropylbenzene
Concen: 19.732 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN054017.D
Acq: 1 Mar 2019 9:16

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	610978		
120	26.2		18.6	34.6





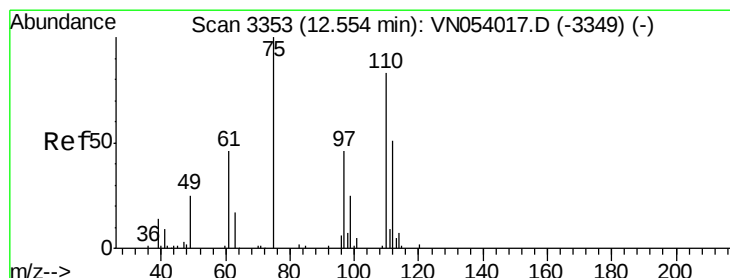
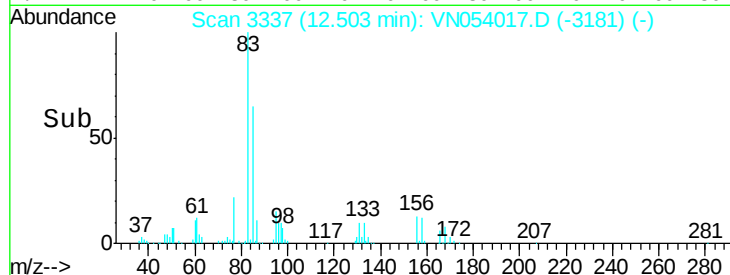
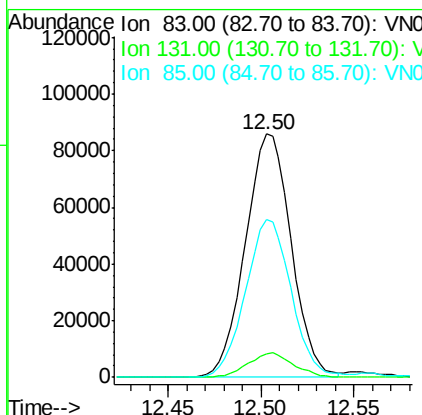
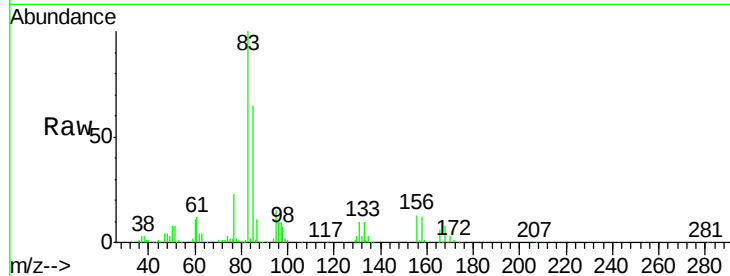
#71
 1,1,2,2-Tetrachloroethane
 Concen: 22.601 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. 0.00 min
 Lab File: VN054017.D
 Acq: 1 Mar 2019 9:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion	83	Resp	147315
Ion Ratio	Lower	Upper	
83	100		
131	10.1	4.9	14.6
85	64.6	32.2	96.6

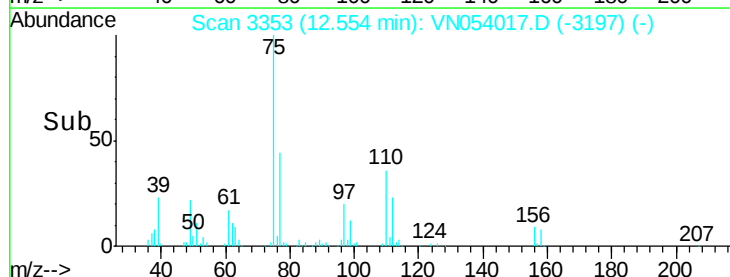
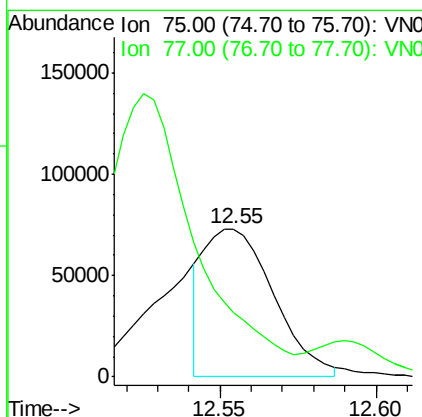
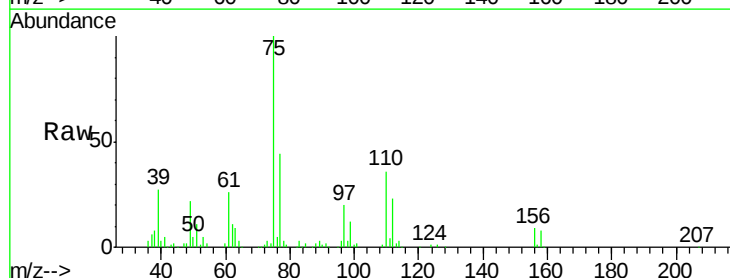
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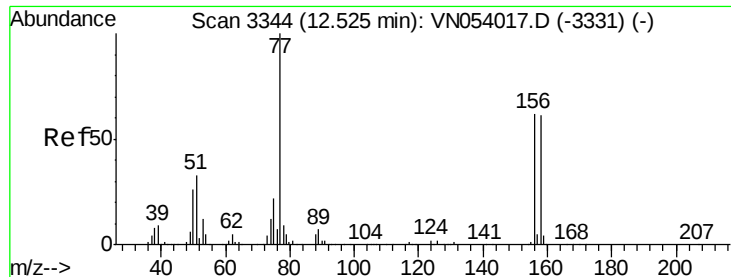
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#72
 1,2,3-Trichloropropane
 Concen: 19.824 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN054017.D
 Acq: 1 Mar 2019 9:16

Tgt Ion	75	Resp	113151
Ion Ratio	Lower	Upper	
75	100		
77	252.9	0.0	514.8





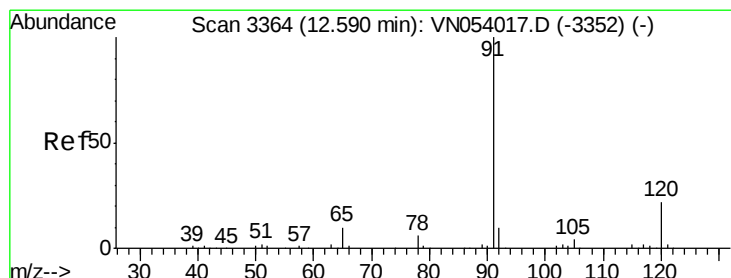
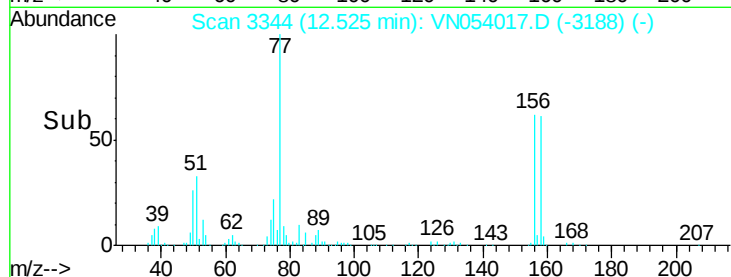
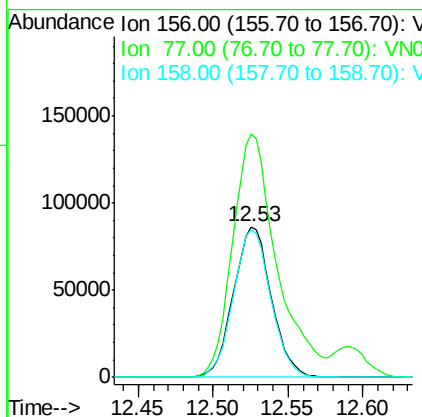
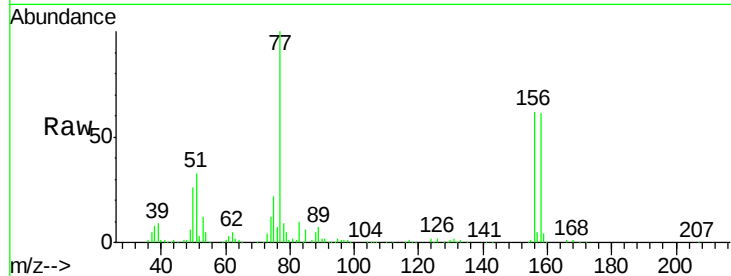
#73
Bromobenzene
Concen: 19.092 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. 0.00 min
Lab File: VN054017.D
Acq: 1 Mar 2019 9:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Resp	Lower	Upper
156	100	151960		
77	188.3	0.0	382.6	
158	97.2	0.0	196.8	

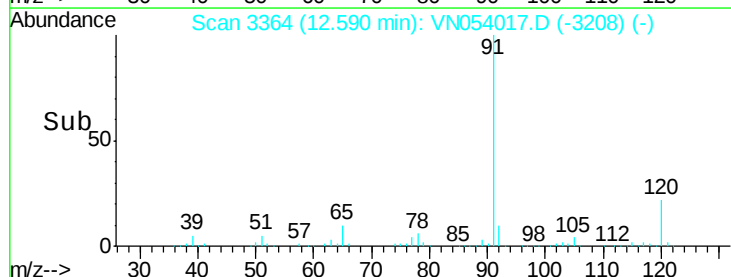
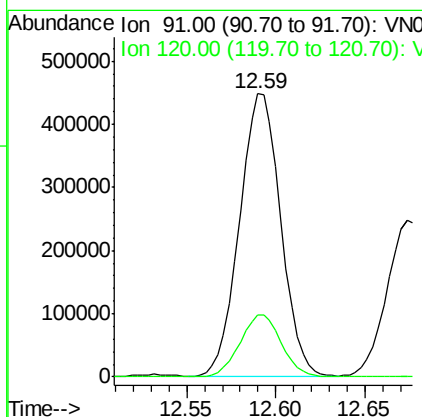
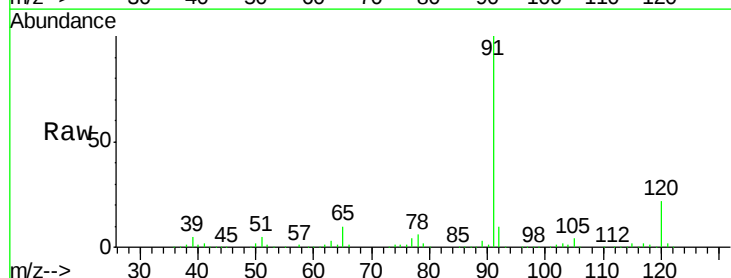
Manual Integrations
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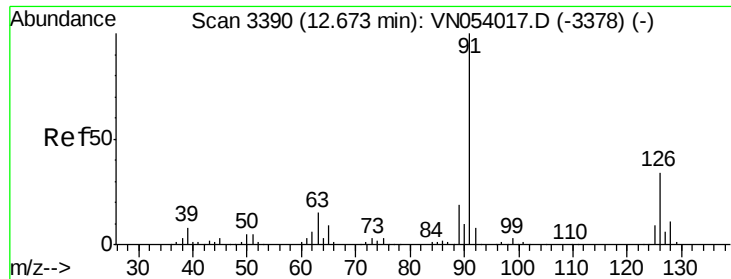
MMDadoda
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#74
n-propylbenzene
Concen: 20.637 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. 0.00 min
Lab File: VN054017.D
Acq: 1 Mar 2019 9:16

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	723357		
120	22.0	0.0	44.6	





#75

2-Chlorotoluene

Concen: 20.416 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN054017.D

Acq: 1 Mar 2019 9:16

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC020

Tot Ion: 91 Resp: 423801

Ion Ratio Lower Upper

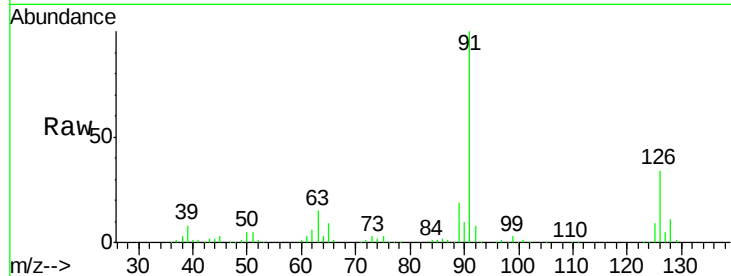
91 100

126 34.3 0.0 68.4

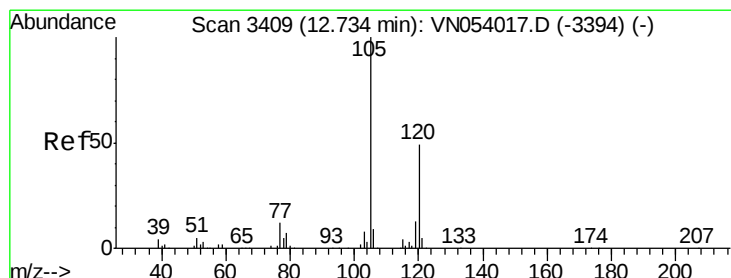
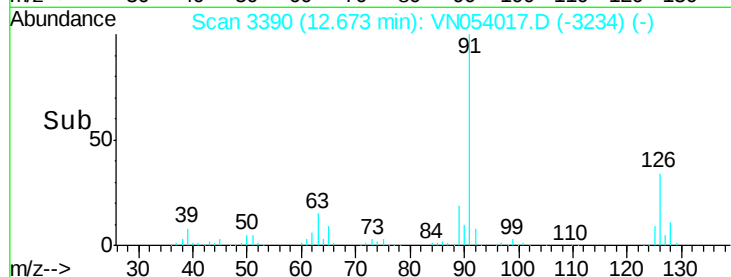
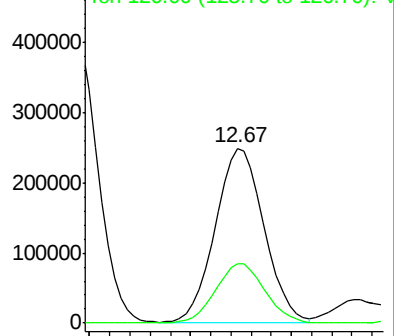
Manual Integrations
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MMDadoda

3/6/2019 10:23:12 AM



Abundance Ion 91.00 (90.70 to 91.70): VN054017.D (-3378) (-)



#76

1,3,5-Trimethylbenzene

Concen: 21.111 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN054017.D

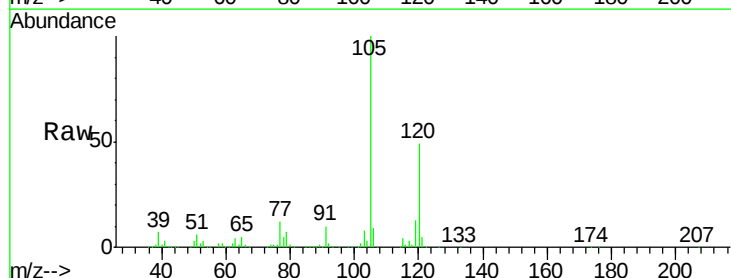
Acq: 1 Mar 2019 9:16

Tgt Ion: 105 Resp: 518530

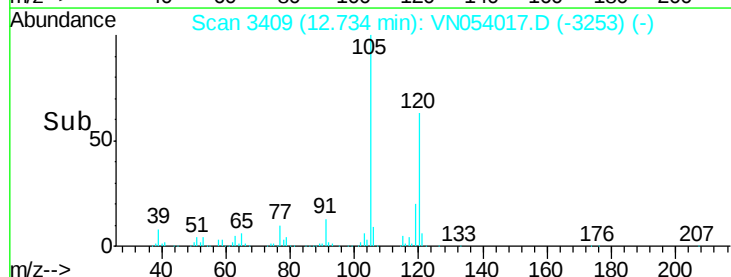
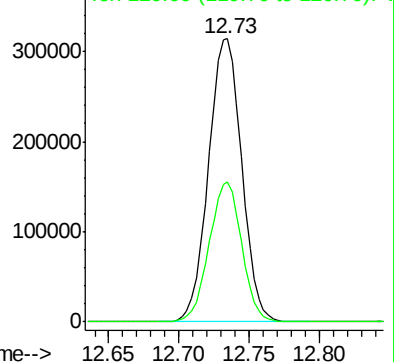
Ion Ratio Lower Upper

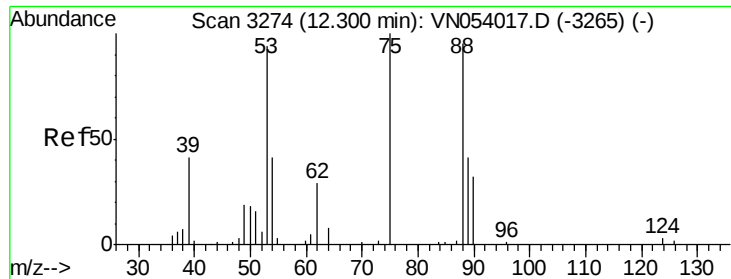
105 100

120 48.1 0.0 97.4



Abundance Ion 105.00 (104.70 to 105.70): VN054017.D (-3394) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 18.318 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN054017.D

Acq: 1 Mar 2019 9:16

Instrument :

MSVOA_N

ClientSampled :

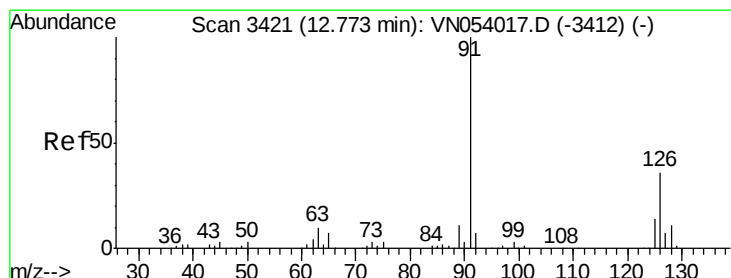
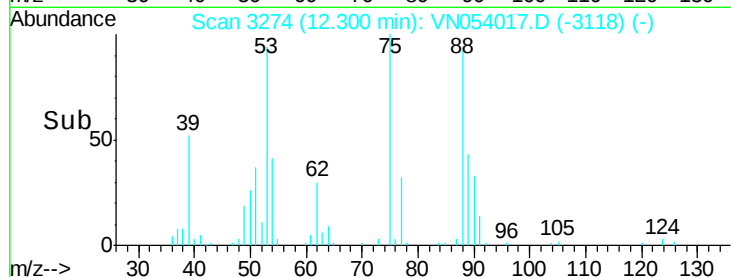
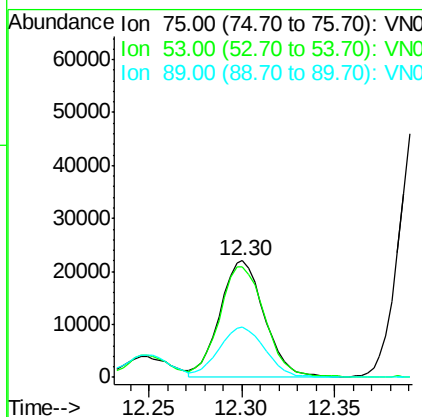
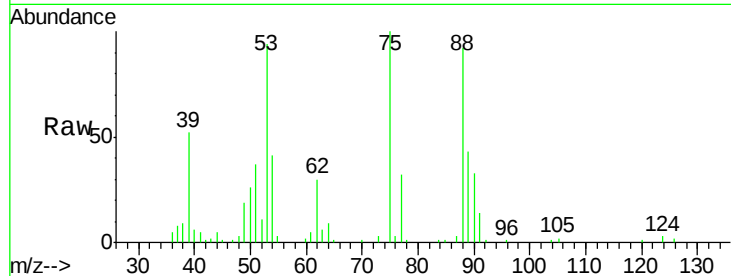
VSTDICCC020

Tot Ion: 75 Resp: 36739

Ion	Ratio	Lower	Upper
75	100		
53	93.5	48.5	145.6
89	42.8	21.7	65.1

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#78

4-Chlorotoluene

Concen: 20.084 ug/l

RT: 12.77 min Scan# 3421

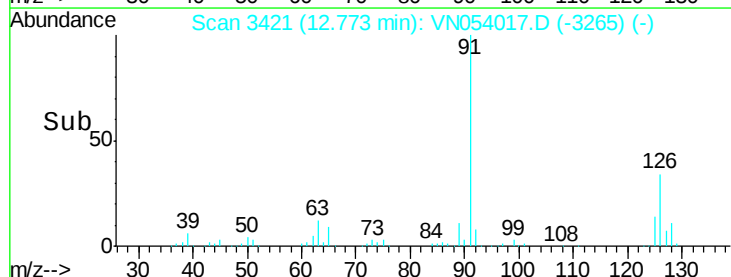
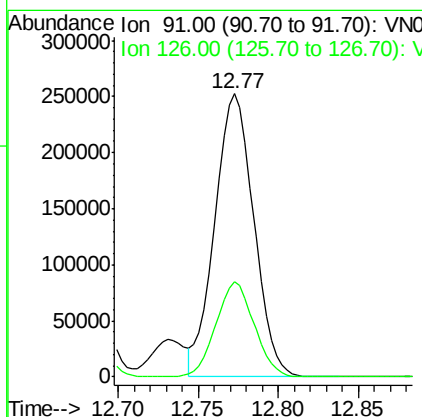
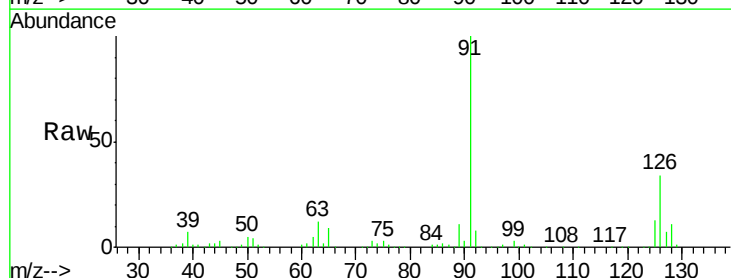
Delta R.T. 0.00 min

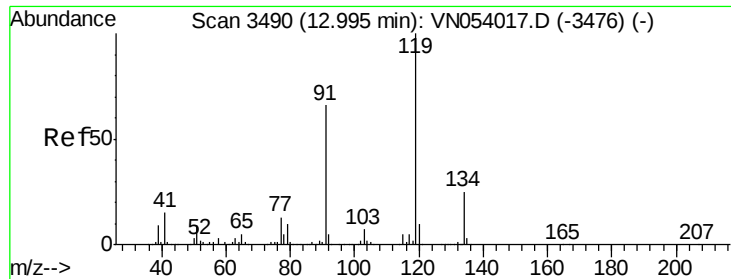
Lab File: VN054017.D

Acq: 1 Mar 2019 9:16

Tgt Ion: 91 Resp: 424393

Ion	Ratio	Lower	Upper
91	100		
126	32.7	0.0	68.2





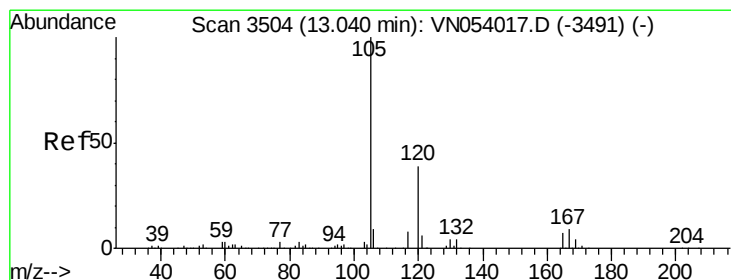
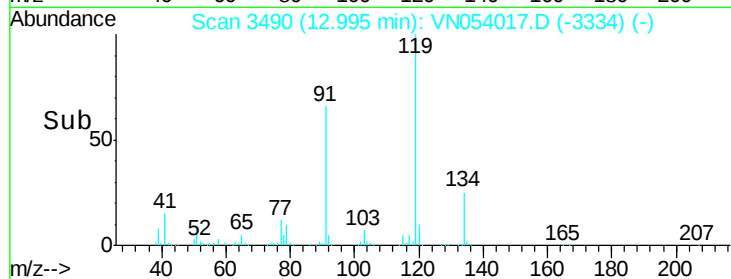
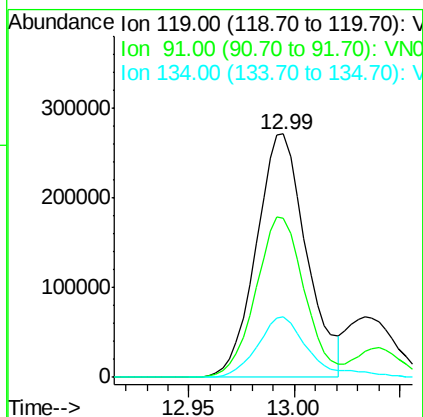
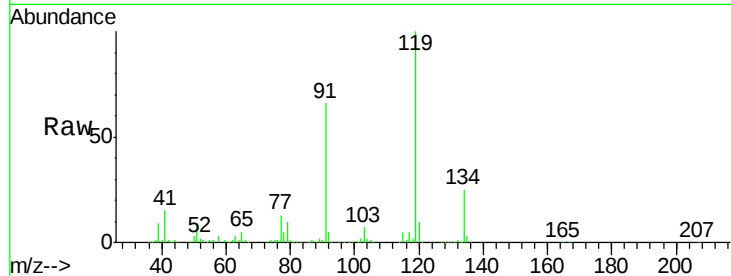
#79
tert-butylbenzene
Concen: 20.999 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN054017.D
Acq: 1 Mar 2019 9:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	449824		
91	63.8	0.0	129.8	
134	25.6	0.0	52.2	

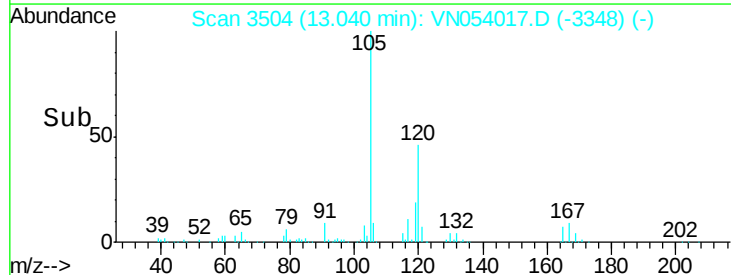
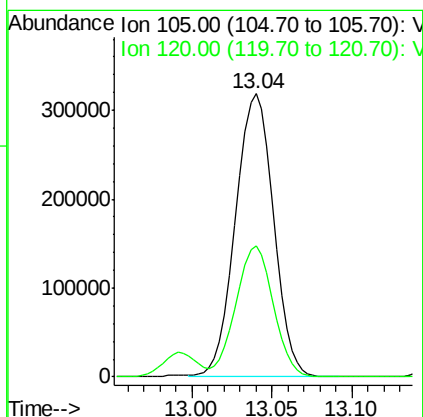
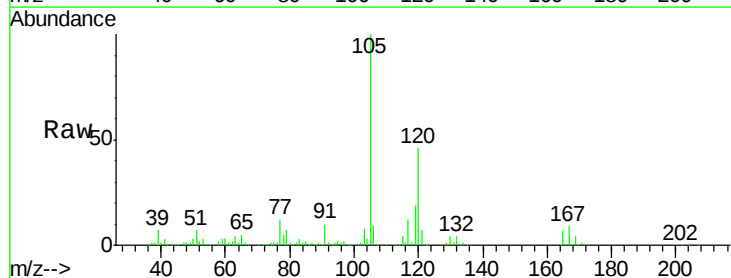
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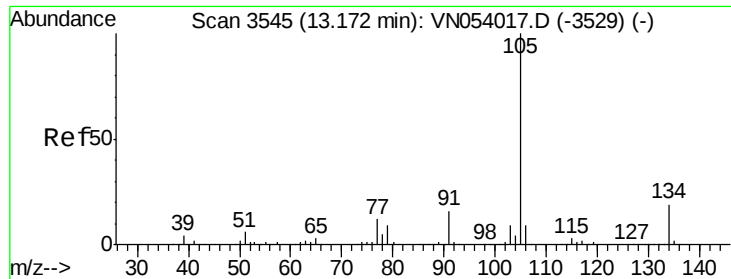
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#80
1,2,4-Trimethylbenzene
Concen: 20.958 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN054017.D
Acq: 1 Mar 2019 9:16

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	515932		
120	45.6	0.0	91.0	





#81

sec-Butylbenzene

Concen: 21.827 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN054017.D

Acq: 1 Mar 2019 9:16

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC020

Tot Ion:105 Resp: 619153

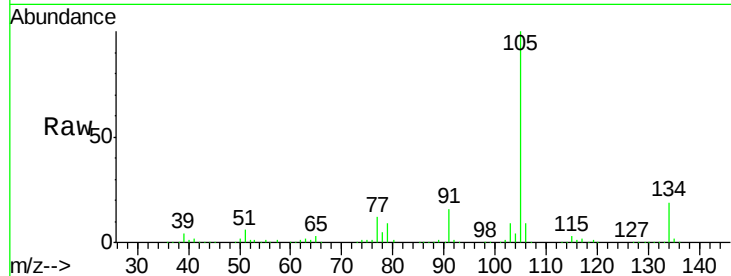
Ion Ratio Lower Upper

105 100

134 19.7 0.0 40.4

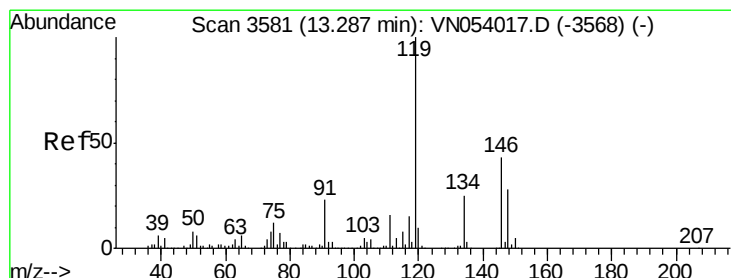
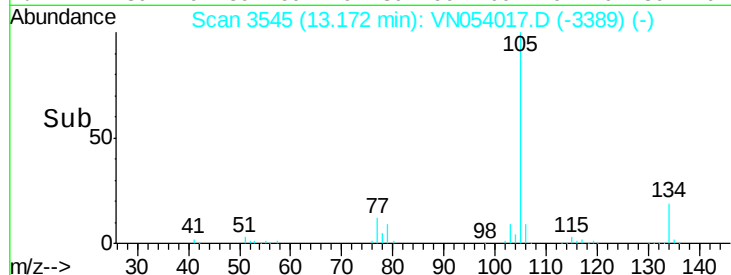
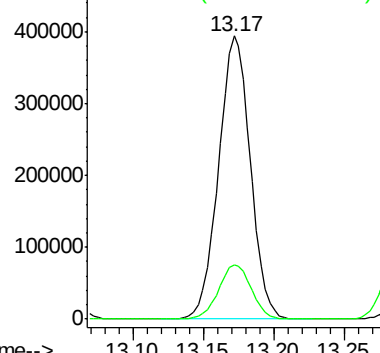
Manual Integrations
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3/6/2019 10:23:12 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 21.471 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN054017.D

Acq: 1 Mar 2019 9:16

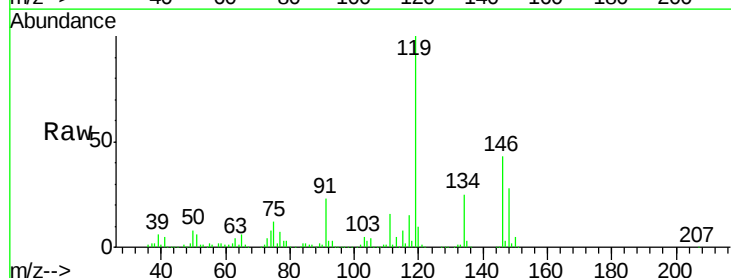
Tgt Ion:119 Resp: 526293

Ion Ratio Lower Upper

119 100

134 25.9 0.0 52.6

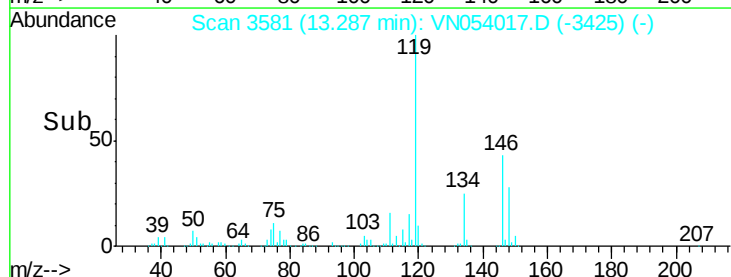
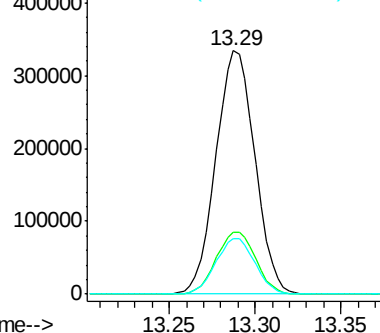
91 23.0 0.0 46.2

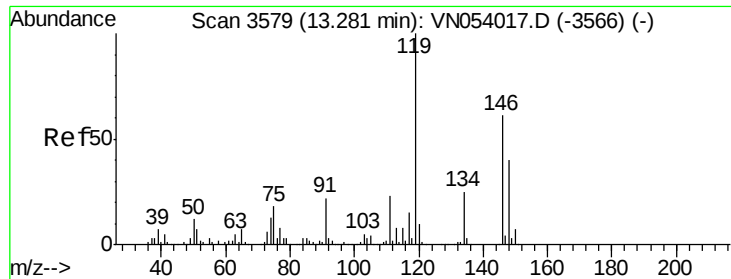


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





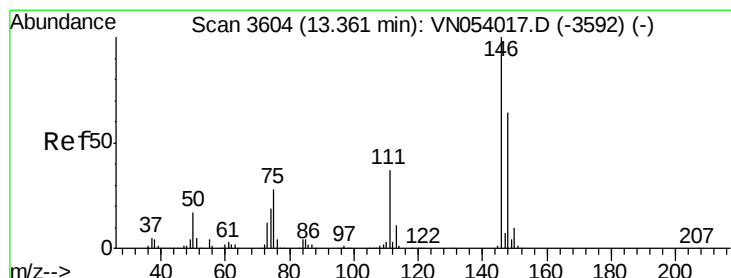
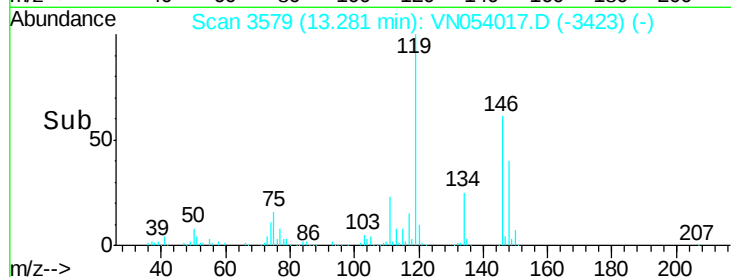
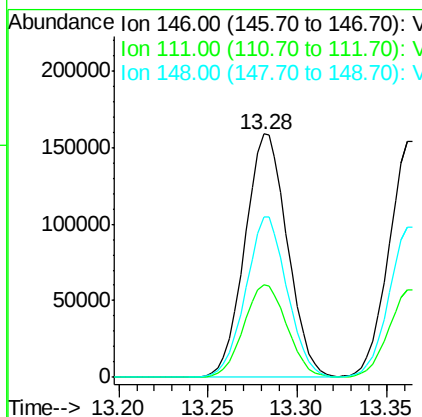
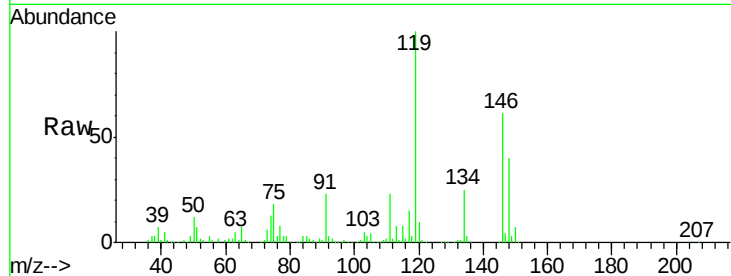
#83
 1,3-Dichlorobenzene
 Concen: 19.574 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN054017.D
 Acq: 1 Mar 2019 9:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Resp	Lower	Upper
146	100	265266		
111	38.6	19.7	59.0	
148	64.2	32.3	96.8	

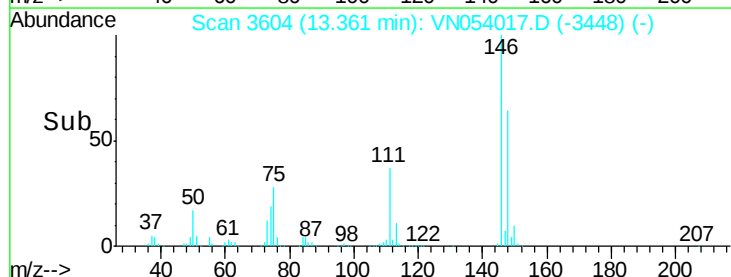
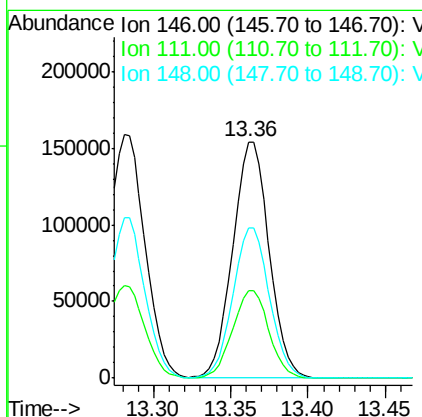
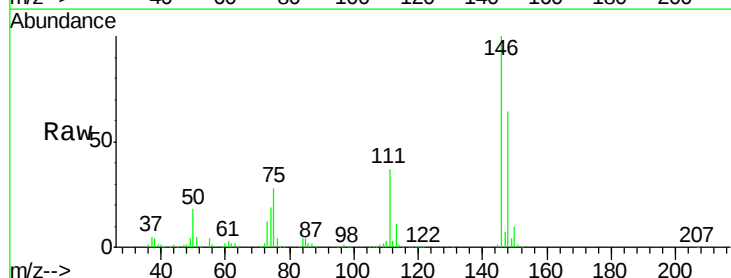
Manual Integrations
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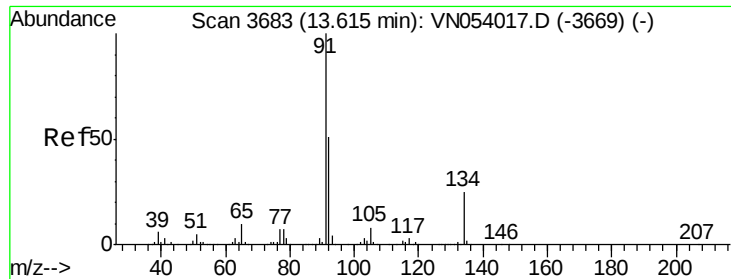
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#84
 1,4-Dichlorobenzene
 Concen: 19.066 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN054017.D
 Acq: 1 Mar 2019 9:16

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	251871		
111	36.9	18.8	56.3	
148	63.8	32.5	97.4	





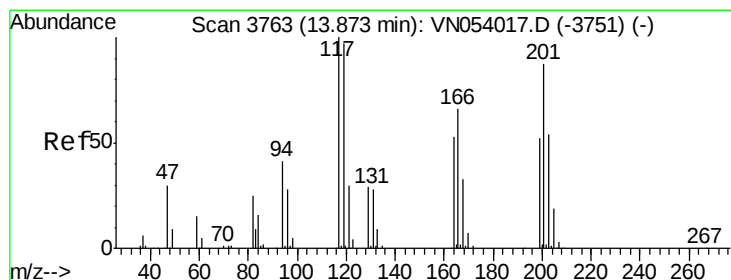
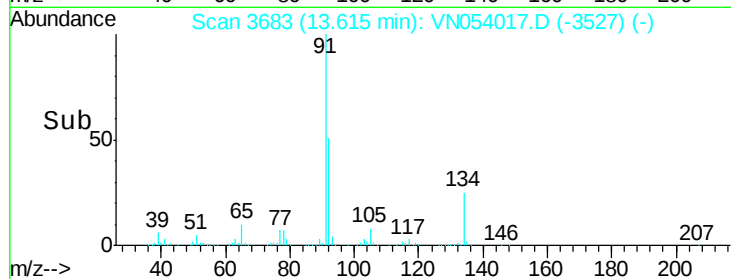
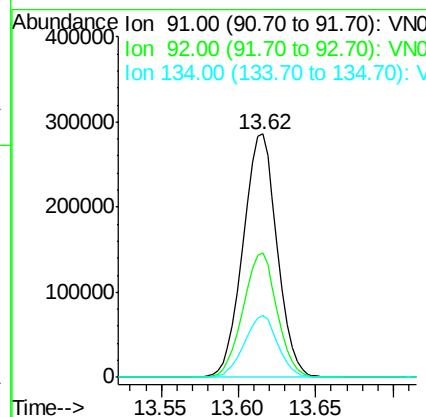
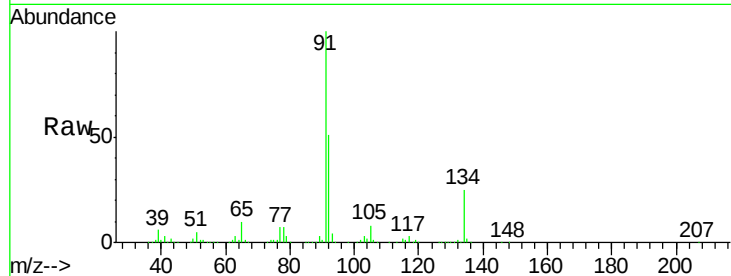
#85
n-Butylbenzene
Concen: 21.939 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN054017.D
Acq: 1 Mar 2019 9:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Resp	Lower	Upper
91	100	437310		
92	51.1	0.0	104.2	
134	25.0	0.0	50.6	

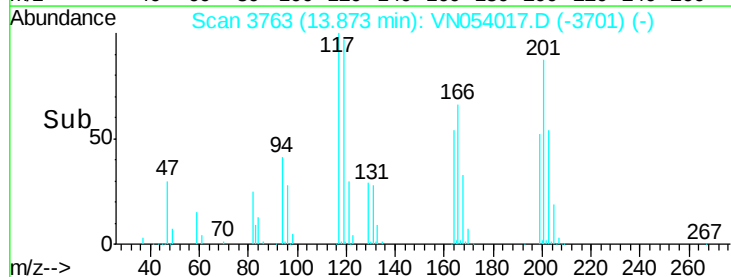
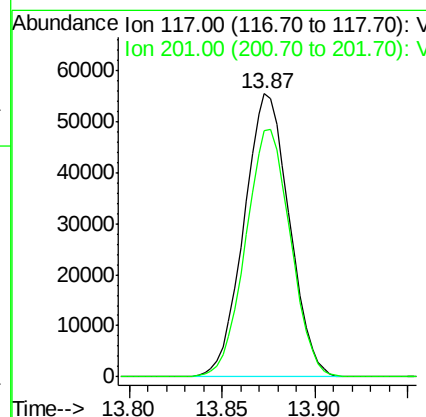
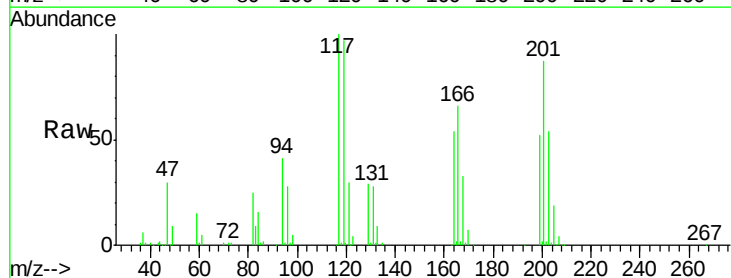
Manual Integrations
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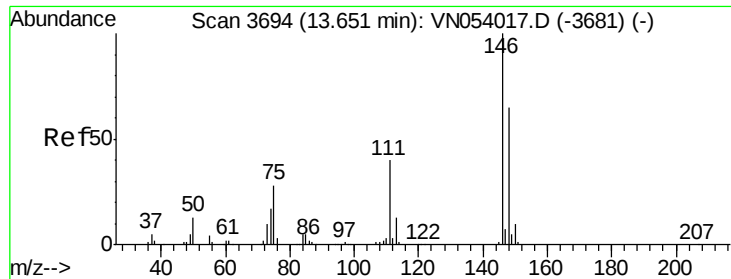
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#86
Hexachloroethane
Concen: 24.017 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN054017.D
Acq: 1 Mar 2019 9:16

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	93990		
201	86.5	43.8	131.3	





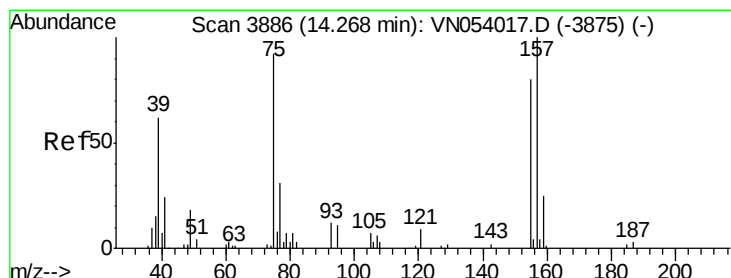
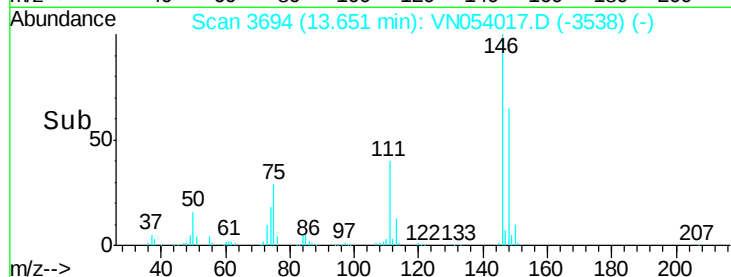
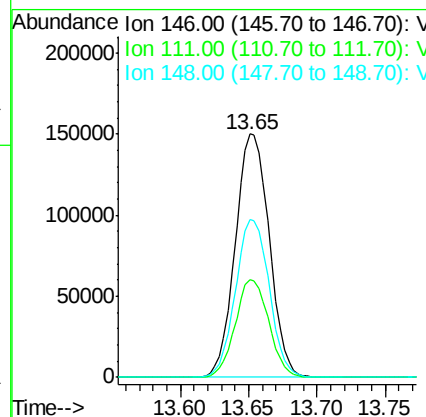
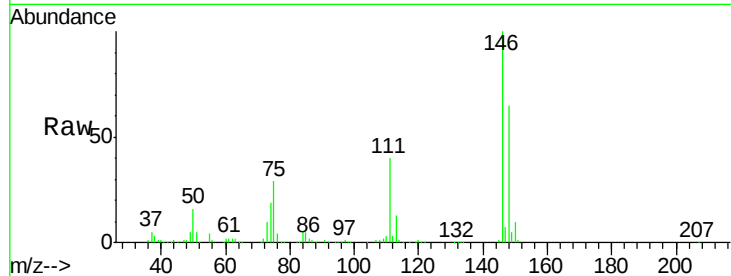
#87
 1,2-Dichlorobenzene
 Concen: 20.628 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN054017.D
 Acq: 1 Mar 2019 9:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	20.3	60.8
148	64.5	32.1	96.5

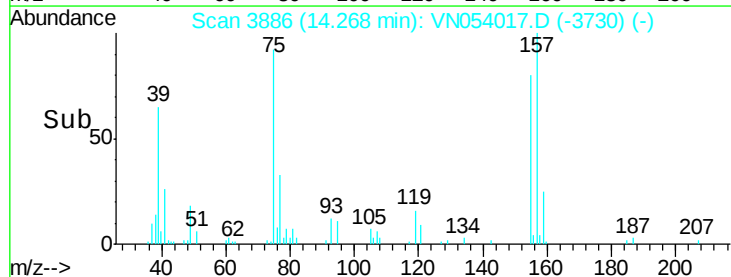
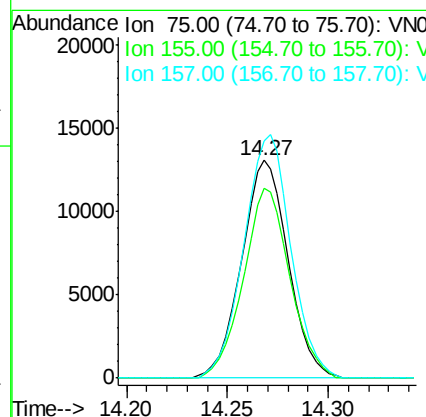
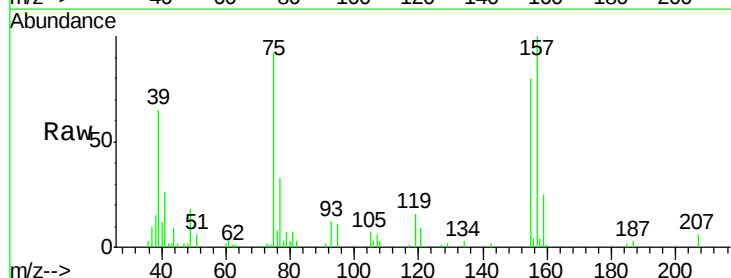
Manual Integrations
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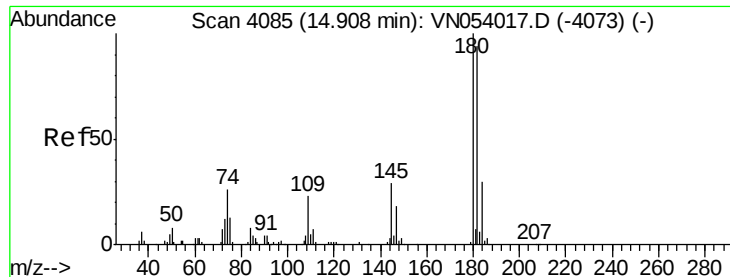
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 22.650 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN054017.D
 Acq: 1 Mar 2019 9:16

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.9	72.2	108.2
157	112.8	94.2	141.2





#89

1,2,4-Trichlorobenzene

Concen: 19.146 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN054017.D

Acq: 1 Mar 2019 9:16

Instrument :

MSVOA_N

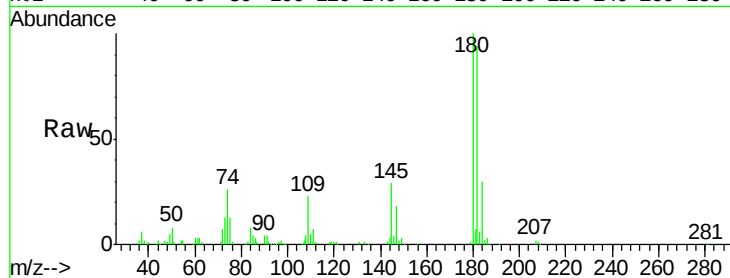
ClientSampleId :

VSTDICCC020

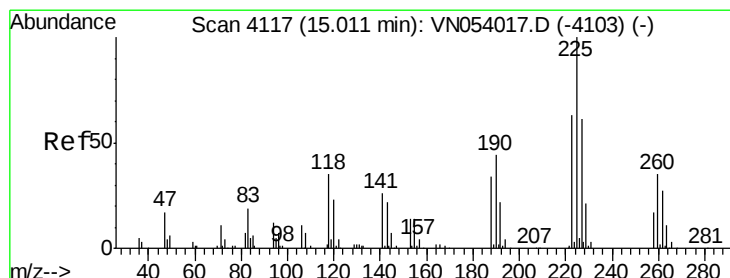
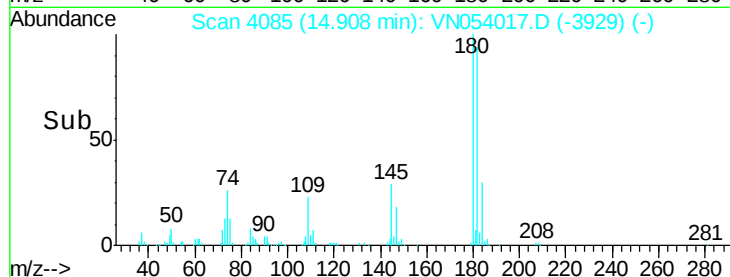
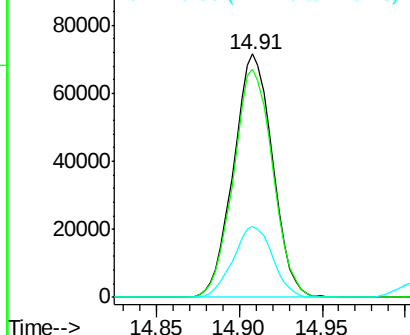
Tot Ion:	180	Resp:	117019
Ion Ratio	Lower	Upper	
180	100		
182	94.6	76.6	114.8
145	29.5	23.6	35.4

Manual Integrations
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Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V



#90

Hexachlorobutadiene

Concen: 25.833 ug/l

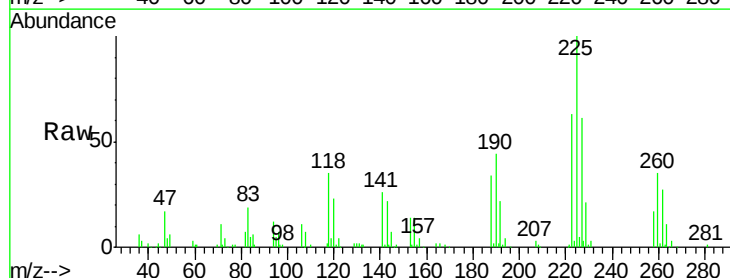
RT: 15.01 min Scan# 4117

Delta R.T. 0.00 min

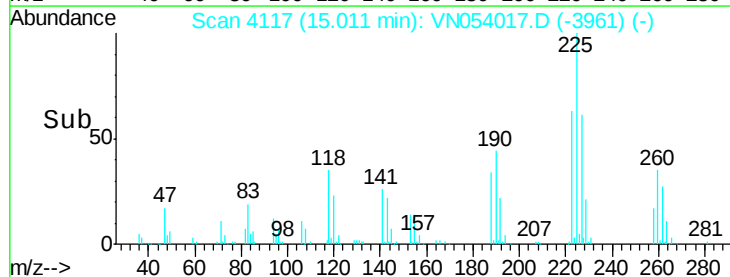
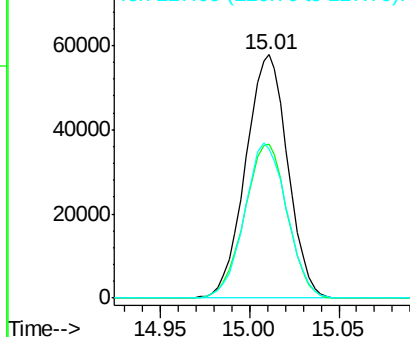
Lab File: VN054017.D

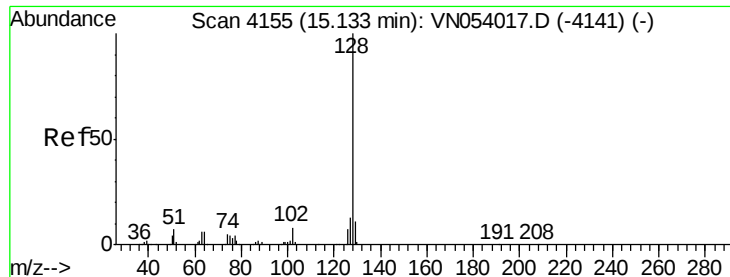
Acq: 1 Mar 2019 9:16

Tgt Ion:	225	Resp:	95570
Ion Ratio	Lower	Upper	
225	100		
223	64.2	0.0	125.6
227	64.1	0.0	127.8



Abundance Ion 225.00 (224.70 to 225.70): V
Ion 223.00 (222.70 to 223.70): V
Ion 227.00 (226.70 to 227.70): V





#91

Naphthalene

Concen: 16.950 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN054017.D

Acq: 1 Mar 2019 9:16

Instrument :

MSVOA_N

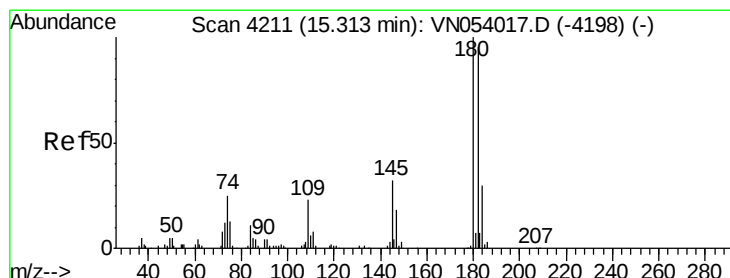
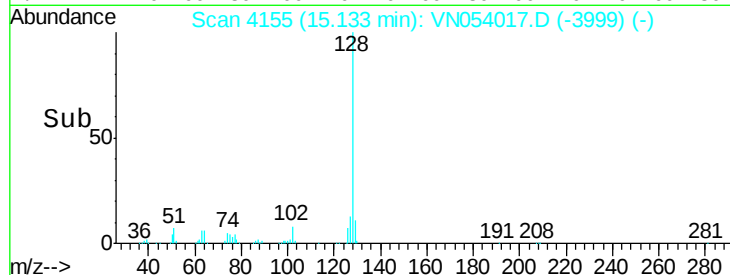
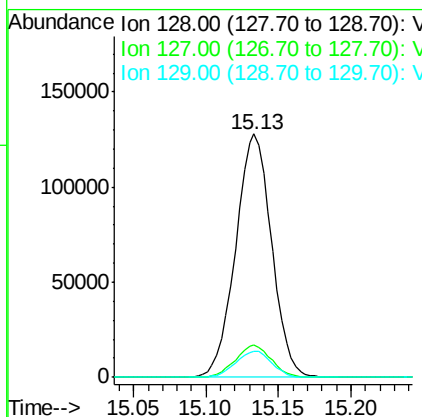
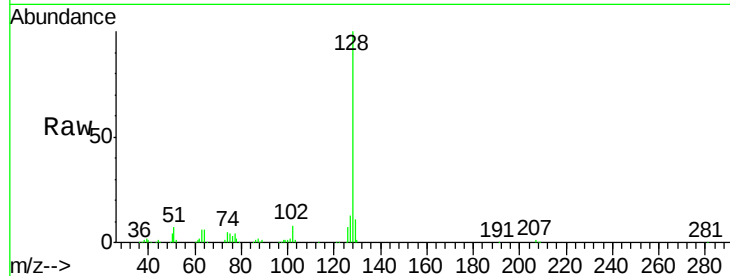
ClientSampleId :

VSTDICCC020

Tot Ion:	128	Resp:	219804
Ion Ratio	Lower	Upper	
128	100		
127	13.1	9.9	14.9
129	10.8	8.5	12.7

Manual Integrations
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3/6/2019 10:23:12 AM



#92

1,2,3-Trichlorobenzene

Concen: 22.151 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN054017.D

Acq: 1 Mar 2019 9:16

Tgt Ion:	180	Resp:	120790
Ion Ratio	Lower	Upper	
180	100		
182	94.9	0.0	196.2
145	30.3	0.0	62.2

