

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121018\
 Data File : VN052742.D
 Acq On : 10 Dec 2018 9:50
 Operator : MD\SY
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

MMDadoda
 12/11/2018 12:45:34 PM

Quant Time: Dec 11 00:52:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N112618W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Nov 27 00:48:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	184872	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	1080205	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	960672	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	366255	29.08	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	96.93%
60) 4-Bromofluorobenzene	12.40	95	443245	30.18	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	100.60%
63) Toluene-d8	10.09	98	1295340	29.08	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	96.93%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	198184	18.823	ug/l 99
3) Chloromethane	2.06	50	252421	18.077	ug/l 97
4) Vinyl Chloride	2.19	62	263012	18.662	ug/l 98
5) Bromomethane	2.57	94	142531	17.737	ug/l 99
6) Chloroethane	2.71	64	161038	19.214	ug/l 97
7) Trichlorofluoromethane	3.02	101	349651	20.102	ug/l 99
8) Diethyl Ether	3.41	74	132439	20.621	ug/l 94
9) 1,1,2-Trichlorotrifluoroet	3.77	101	224515	20.362	ug/l 96
10) 1,1-Dichloroethene	3.74	96	206713	19.939	ug/l 99
11) Methyl Iodide	3.96	142	207876	14.442	ug/l 99
12) Methyl Acetate	4.32	43	188577	21.408	ug/l 100
13) Acrolein	3.61	56	22384	21.633	ug/l 96
14) Acrylonitrile	4.99	53	385368	102.677	ug/l 99
15) Acetone	3.82	58	92854	95.529	ug/l 100
16) Carbon Disulfide	4.06	76	612672	18.666	ug/l 100
17) Allyl chloride	4.33	41	333067	18.422	ug/l 97
18) Methylene Chloride	4.55	84	238623	19.879	ug/l 96
19) trans-1,2-Dichloroethene	5.05	96	222767	19.967	ug/l 95
20) Diisopropyl ether	5.95	45	756448	19.909	ug/l 97
21) 1,1-Dichloroethane	5.85	63	430144	19.863	ug/l 98
22) cis-1,2-Dichloroethene	6.83	96	258964	20.253	ug/l 100
23) tert-Butyl Alcohol	4.77	59	54837	98.217	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	584517	21.492	ug/l 98
25) Chloroform	7.37	83	422767	20.236	ug/l 99
26) Cyclohexane	7.65	56	395522	19.365	ug/l # 98
29) 1,1-Dichloropropene	7.79	75	330037	20.007	ug/l 99
30) 2-Butanone	6.83	43	435348	98.628	ug/l 99
31) 2,2-Dichloropropane	6.82	77	329128	21.673	ug/l 100
32) 1,1,1-Trichloroethane	7.57	97	351234	20.463	ug/l 98
33) Carbon Tetrachloride	7.77	117	305484	20.341	ug/l 100
34) Benzene	8.04	78	979452	19.749	ug/l 98
35) Methacrylonitrile	7.17	41	118721	21.678	ug/l 97
36) 1,2-Dichloroethane	8.12	62	301603	20.068	ug/l 99
37) Trichloroethene	8.83	130	266342	21.178	ug/l 97
38) Methylcyclohexane	9.08	83	407355	19.949	ug/l 97
39) 1,2-Dichloropropane	9.12	63	260946	19.628	ug/l 97
40) Dibromomethane	9.21	93	149545	20.816	ug/l 97

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

41) Bromodichloromethane	9.40	83	319671	20.140	ug/l	98
42) Vinyl Acetate	5.90	43	2241718	93.864	ug/l	98
43) Ethyl Acetate	6.93	43	192329	20.491	ug/l #	70
44) Isopropyl Acetate	8.16	43	351384	21.346	ug/l	96
45) 1,4-Dioxane	9.20	88	30333	336.835	ug/l	96
46) Methyl methacrylate	9.20	41	177486	20.766	ug/l	97
47) n-amyl Acetate	12.07	43	308242	22.584	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	318652	20.705	ug/l	100
49) cis-1,3-Dichloropropene	9.84	75	378376	20.179	ug/l	97
50) 1,1,2-Trichloroethane	10.56	97	213320	20.947	ug/l	99
51) Ethyl methacrylate	10.43	69	272552	21.310	ug/l	97
52) 1,3-Dichloropropane	10.71	76	367490	20.274	ug/l	100
53) Dibromochloromethane	10.90	129	235213	20.979	ug/l	97
54) 1,2-Dibromoethane	11.00	107	211121	21.216	ug/l	99
55) 2-Chloroethyl vinyl ether	9.69	63	825762	110.297	ug/l	98
56) Bromoform	12.13	173	158944	21.689	ug/l	99
58) 4-Methyl-2-Pentanone	9.98	43	979662	105.188	ug/l	98
59) 2-Hexanone	10.75	43	712507	111.992	ug/l	99
61) Tetrachloroethene	10.63	164	286840	24.243	ug/l	98
62) Toluene	10.16	91	1059360	20.003	ug/l	99
64) Chlorobenzene	11.43	112	662547	20.497	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	237270	21.147	ug/l	98
66) Ethyl Benzene	11.51	91	1153237	20.205	ug/l	99
67) m/p-Xylenes	11.62	106	876372	41.213	ug/l	98
68) o-Xylene	11.95	106	425570	20.619	ug/l	99
69) Styrene	11.96	104	690484	20.727	ug/l	100
70) Isopropylbenzene	12.25	105	1147100	20.889	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	241460	20.213	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	227200m	22.156	ug/l	
73) Bromobenzene	12.53	156	282064	21.237	ug/l	97
74) n-propylbenzene	12.59	91	1320785	20.642	ug/l	99
75) 2-Chlorotoluene	12.67	91	760911	20.488	ug/l	98
76) 1,3,5-Trimethylbenzene	12.73	105	931643	21.004	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	68132	21.033	ug/l	97
78) 4-Chlorotoluene	12.77	91	778024	20.978	ug/l	99
79) tert-butylbenzene	12.99	119	826945	21.408	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	937040	21.113	ug/l	99
81) sec-Butylbenzene	13.17	105	1129118	20.986	ug/l	99
82) p-Isopropyltoluene	13.29	119	982556	21.446	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	508914	21.787	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	496372	21.994	ug/l	99
85) n-Butylbenzene	13.62	91	836607	21.259	ug/l	99
86) Hexachloroethane	13.88	117	156632	20.178	ug/l	97
87) 1,2-Dichlorobenzene	13.65	146	491641	22.117	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	38997	23.306	ug/l	98
89) 1,2,4-Trichlorobenzene	14.91	180	282918	25.833	ug/l	99
90) Hexachlorobutadiene	15.01	225	162536	22.624	ug/l	99
91) Naphthalene	15.13	128	590619	26.706	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	255699	25.335	ug/l	98

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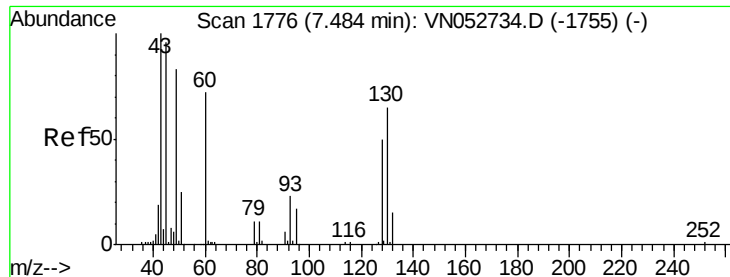
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN052742.D

Acq: 10 Dec 2018 9:50

Instrument :

MSVOA_N

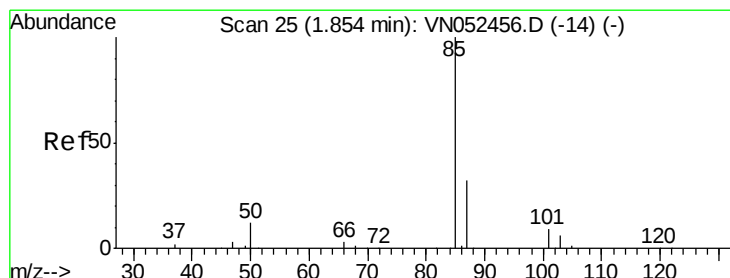
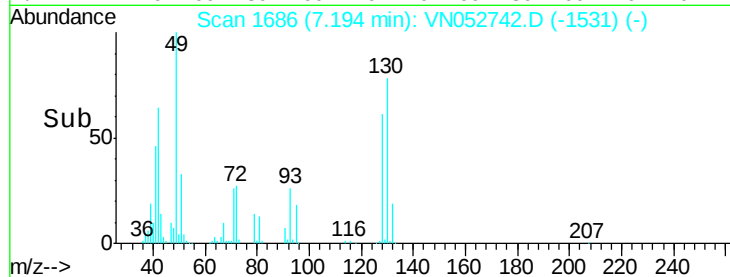
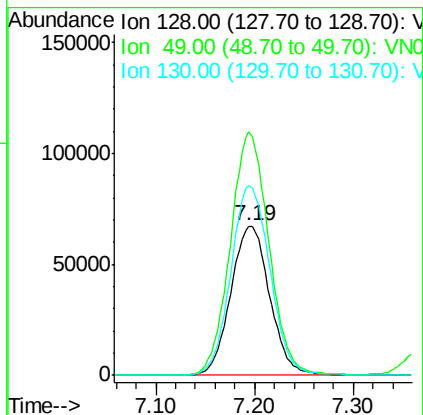
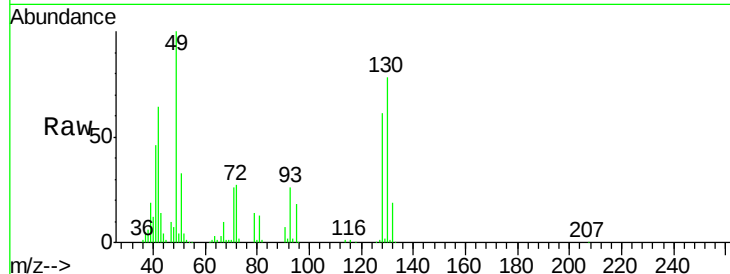
ClientSampled :

VSTDCCC020

Tot Ion:	128	Resp:	184872
Ion Ratio	Lower	Upper	
128	100		
49	160.8	0.0	431.8
130	127.7	0.0	317.0

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#2

Dichlorodifluoromethane

Concen: 18.823 ug/l

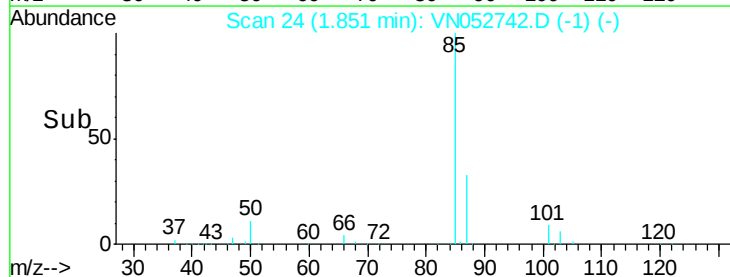
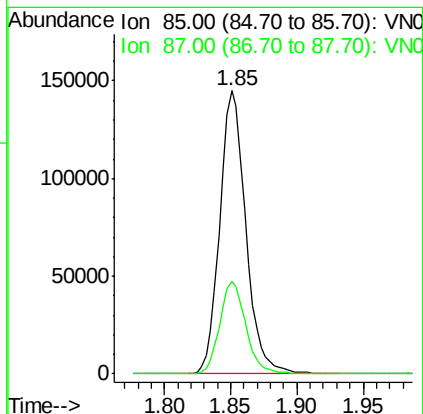
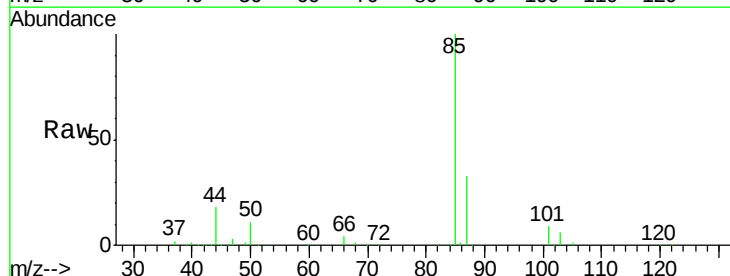
RT: 1.85 min Scan# 24

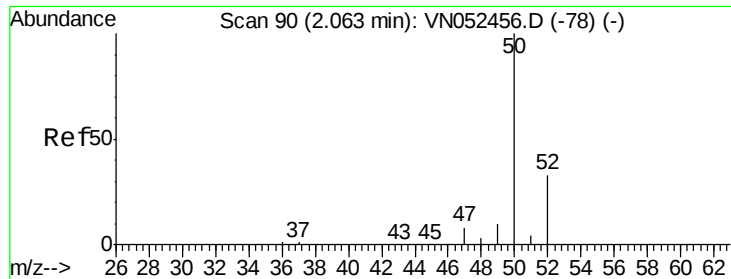
Delta R.T. -0.00 min

Lab File: VN052742.D

Acq: 10 Dec 2018 9:50

Tgt Ion:	85	Resp:	198184
Ion Ratio	Lower	Upper	
85	100		
87	32.6	16.1	48.3





#3

Chloromethane

Concen: 18.077 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN052742.D

Acq: 10 Dec 2018 9:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 50 Resp: 252421

Ion Ratio Lower Upper

50 100

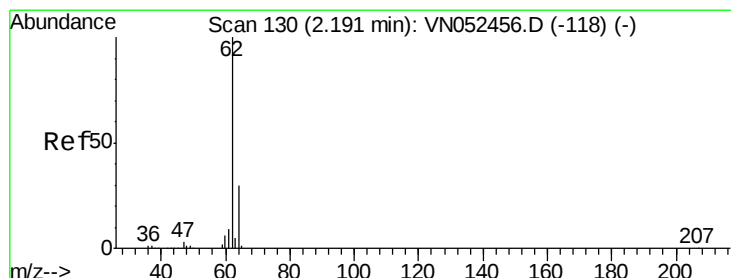
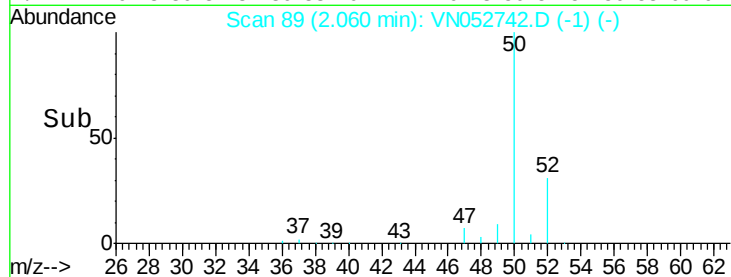
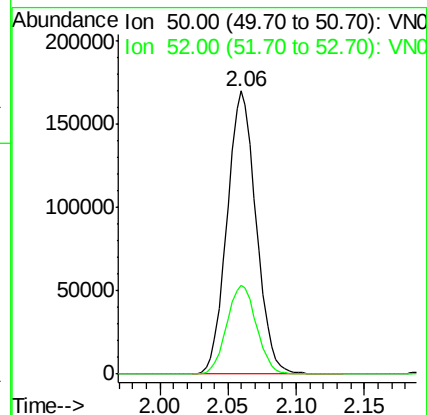
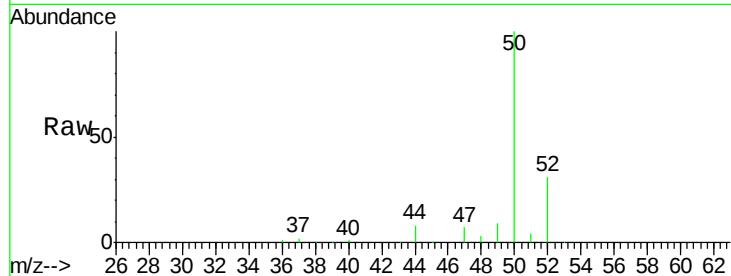
52 31.5 26.5 39.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.662 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN052742.D

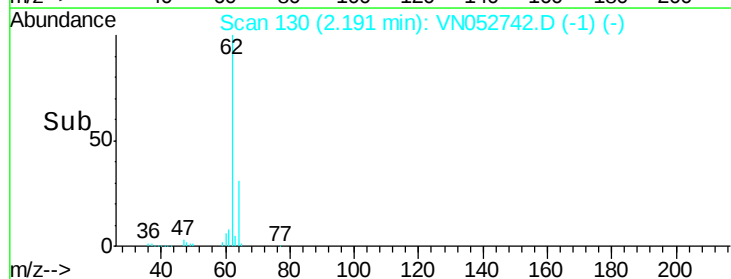
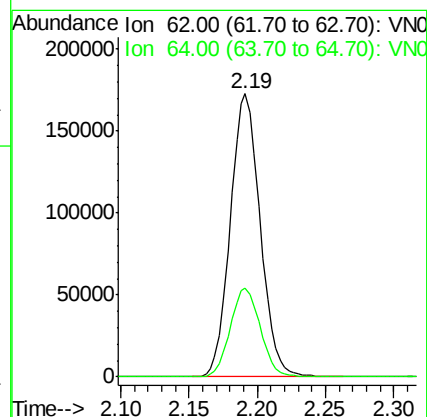
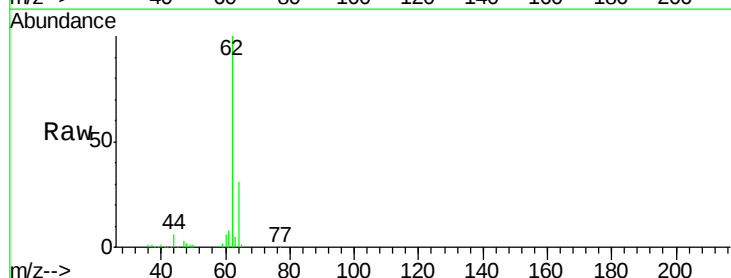
Acq: 10 Dec 2018 9:50

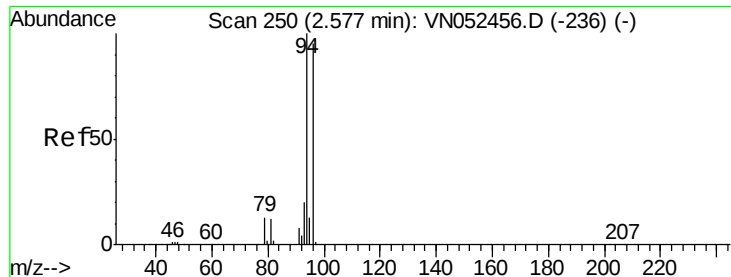
Tgt Ion: 62 Resp: 263012

Ion Ratio Lower Upper

62 100

64 31.4 24.2 36.4





#5

Bromomethane

Concen: 17.737 ug/l

RT: 2.57 min Scan# 248

Delta R.T. -0.01 min

Lab File: VN052742.D

Acq: 10 Dec 2018 9:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 94 Resp: 142531

Ion Ratio Lower Upper

94 100

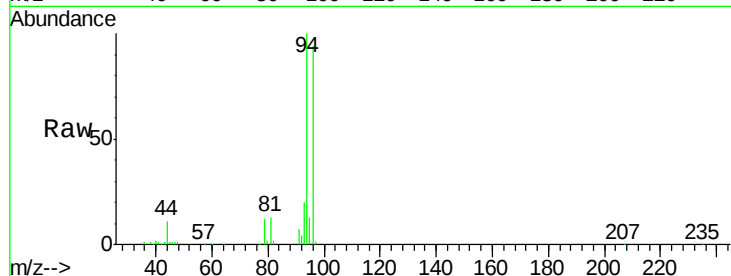
96 94.1 76.2 114.2

Manual Integrations

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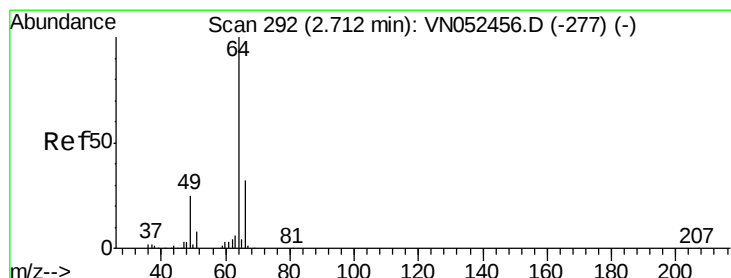
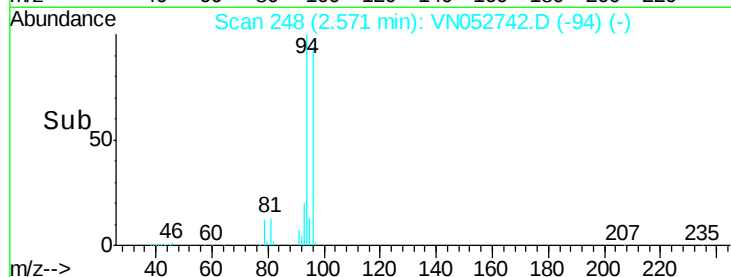
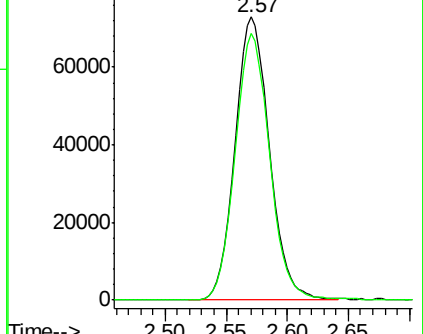
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Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 19.214 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN052742.D

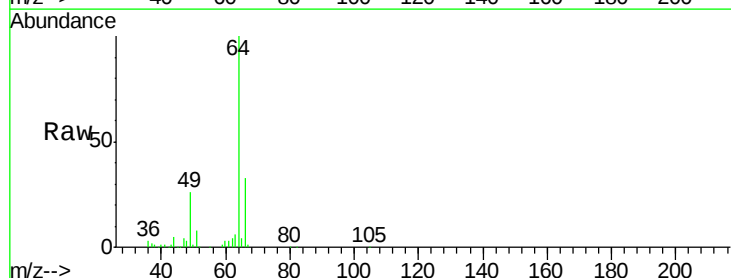
Acq: 10 Dec 2018 9:50

Tgt Ion: 64 Resp: 161038

Ion Ratio Lower Upper

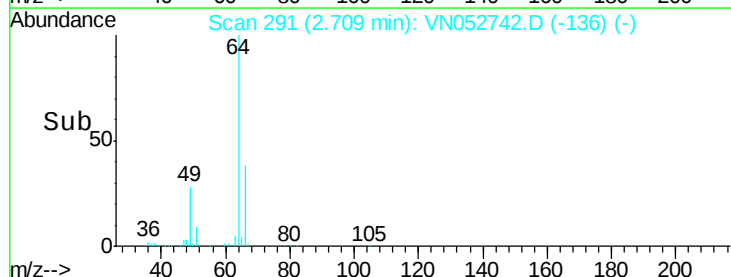
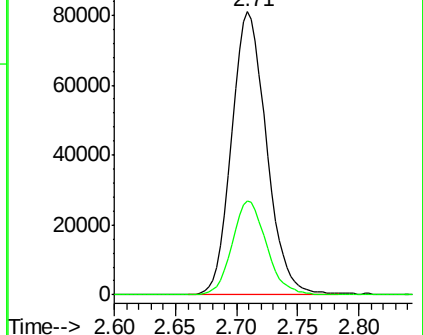
64 100

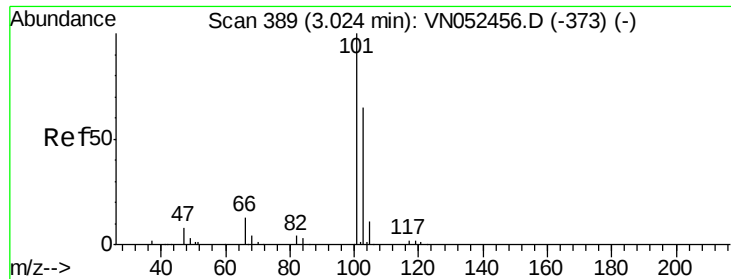
66 33.4 25.6 38.4



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

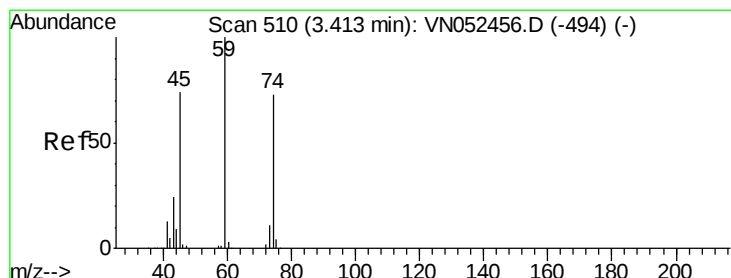
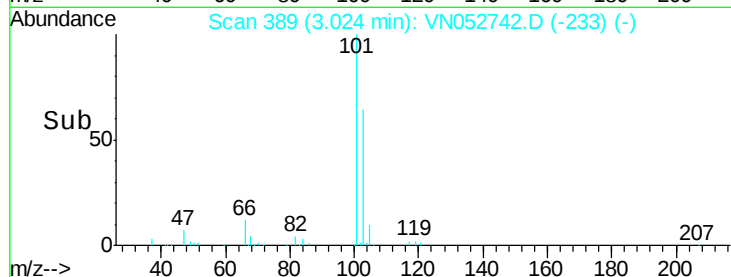
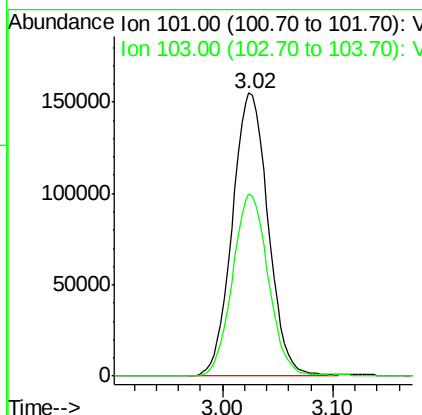
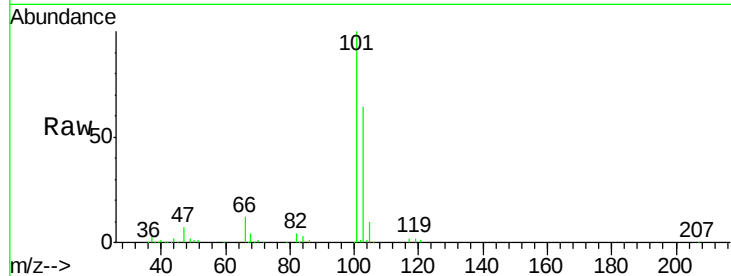
Trichlorofluoromethane
Concen: 20.102 ug/l
RT: 3.02 min Scan# 389
Delta R.T. 0.00 min
Lab File: VN052742.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.4	52.1	78.1

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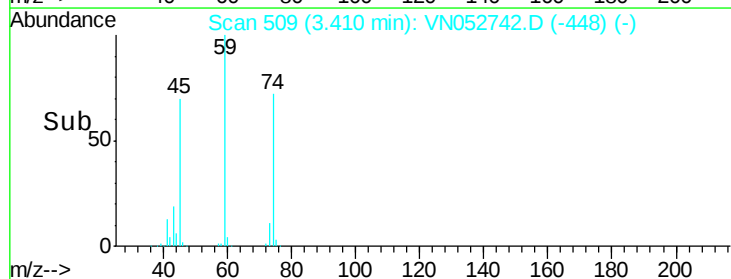
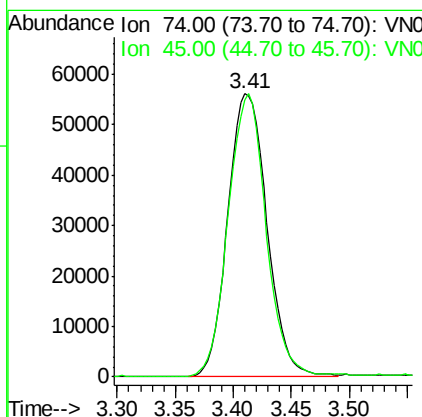
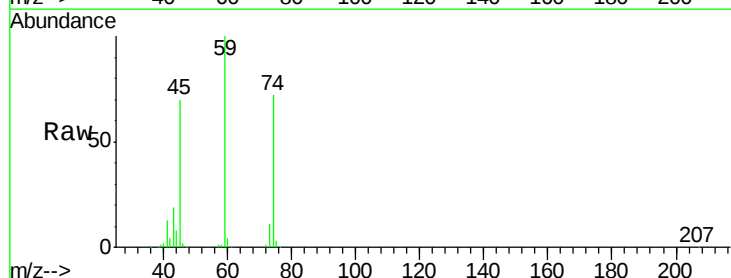
MMDadoda
12/11/2018 12:45:34 PM

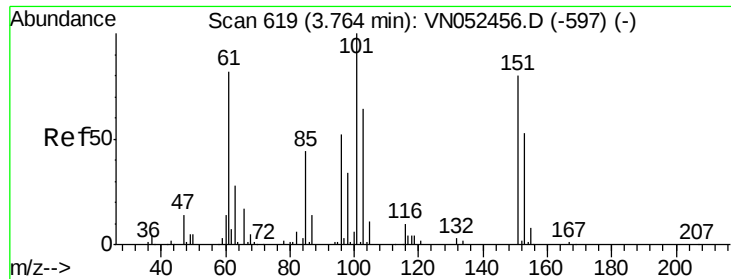


#8

Diethyl Ether
Concen: 20.621 ug/l
RT: 3.41 min Scan# 509
Delta R.T. -0.00 min
Lab File: VN052742.D
Acq: 10 Dec 2018 9:50

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.8	20.6	185.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.362 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN052742.D

Acq: 10 Dec 2018 9:50

Instrument :

MSVOA_N

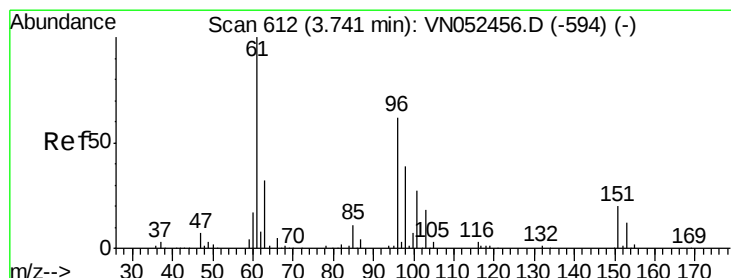
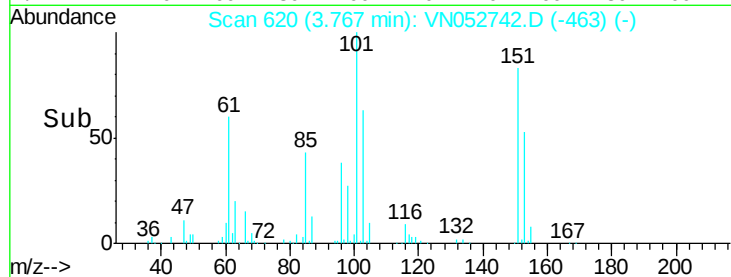
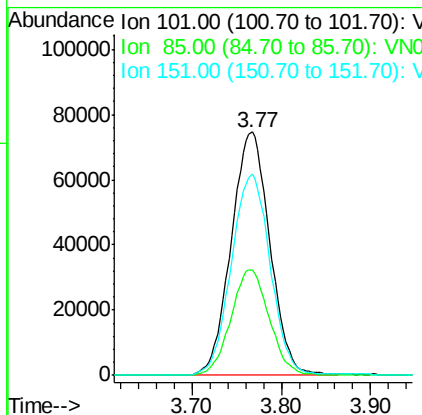
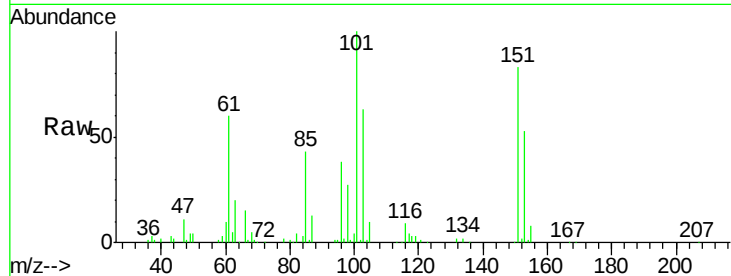
ClientSampleId :

VSTDCCC020

Tot Ion:	101	Resp:	224515
Ion Ratio	Lower	Upper	
101	100		
85	43.0	0.0	82.6
151	83.1	0.0	158.4

Manual Integrations
APPROVED

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12/11/2018 12:45:34 PM



#10

1,1-Dichloroethene

Concen: 19.939 ug/l

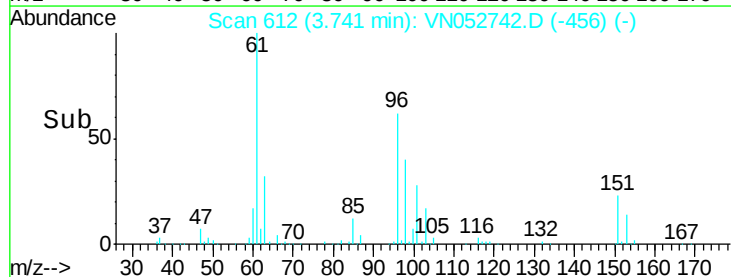
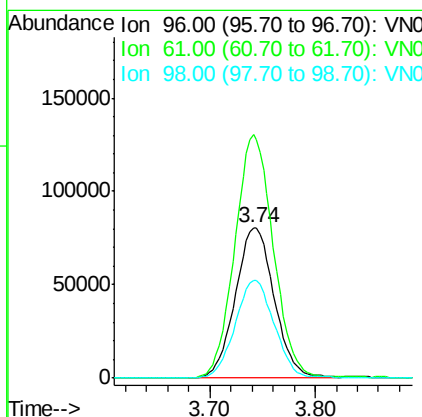
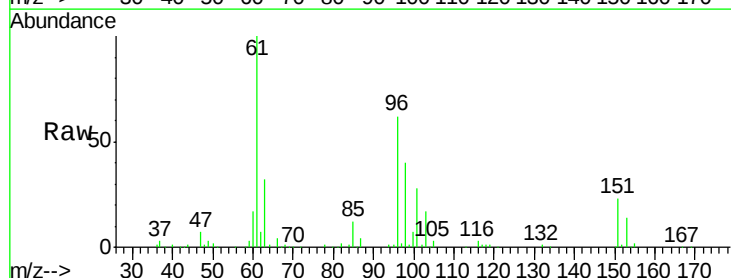
RT: 3.74 min Scan# 612

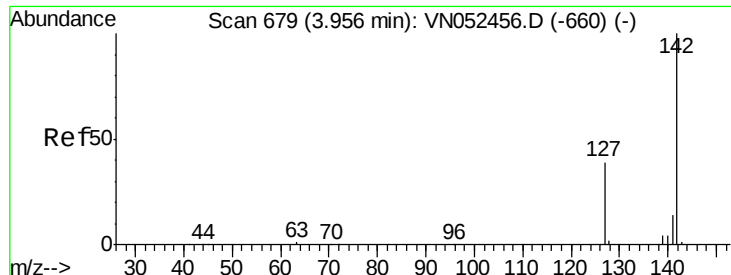
Delta R.T. 0.00 min

Lab File: VN052742.D

Acq: 10 Dec 2018 9:50

Tgt Ion:	96	Resp:	206713
Ion Ratio	Lower	Upper	
96	100		
61	161.7	129.4	194.2
98	65.3	50.4	75.6





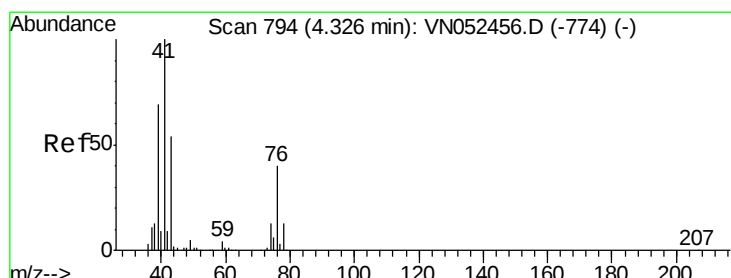
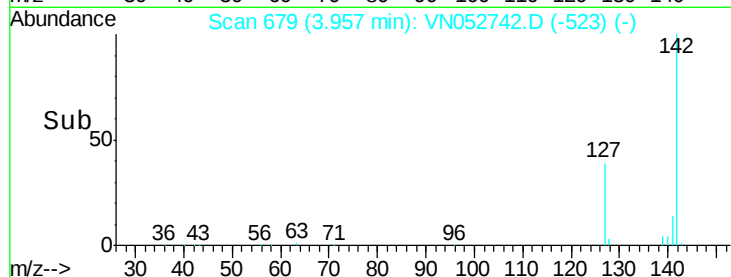
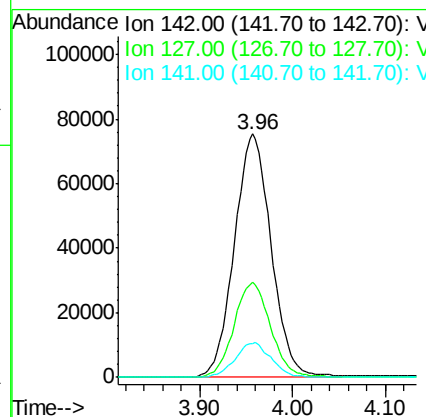
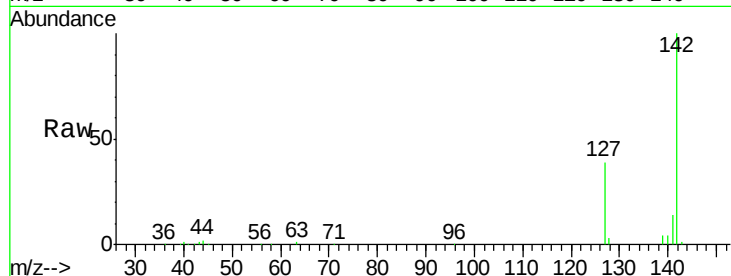
#11
Methvl Iodide
Concen: 14.442 ug/l
RT: 3.96 min Scan# 679
Delta R.T. 0.00 min
Lab File: VN052742.D
Acq: 10 Dec 2018 9:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
142	100		
127	39.0	19.4	58.1
141	14.2	7.2	21.6

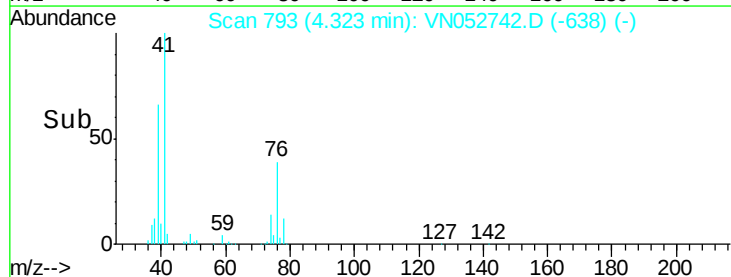
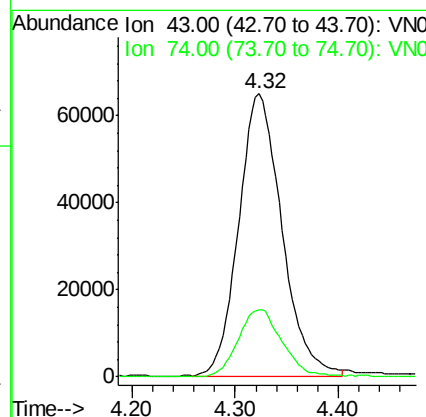
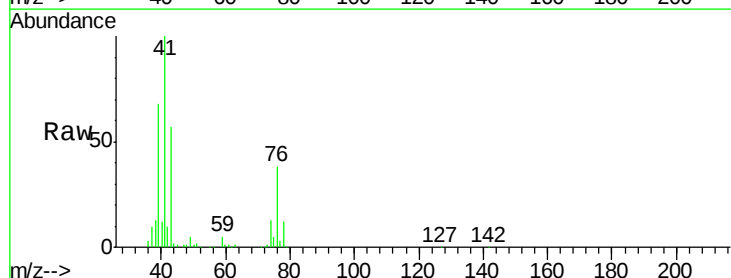
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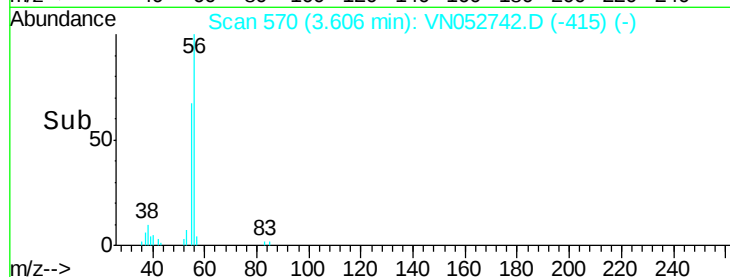
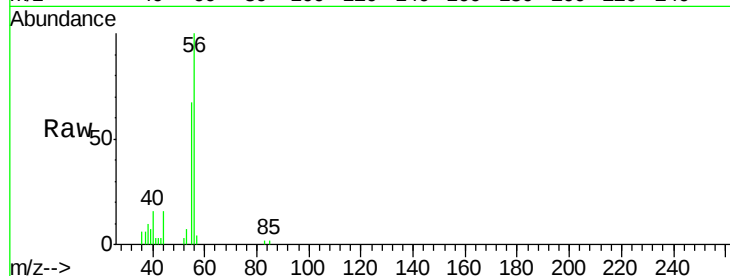
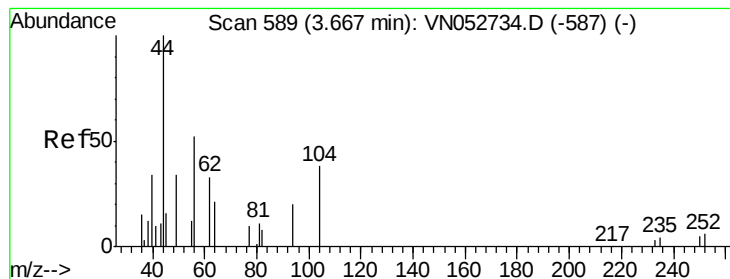
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12/11/2018 12:45:34 PM



#12
Methyl Acetate
Concen: 21.408 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.00 min
Lab File: VN052742.D
Acq: 10 Dec 2018 9:50

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.7	18.9	28.3





#13

Acrolein

Concen: 21.633 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN052742.D

Acq: 10 Dec 2018 9:50

Tot Ion: 56 Resp: 22384

Ion Ratio Lower Upper

56 100

55 74.5 56.7 85.1

Instrument :

MSVOA_N

ClientSampleId :

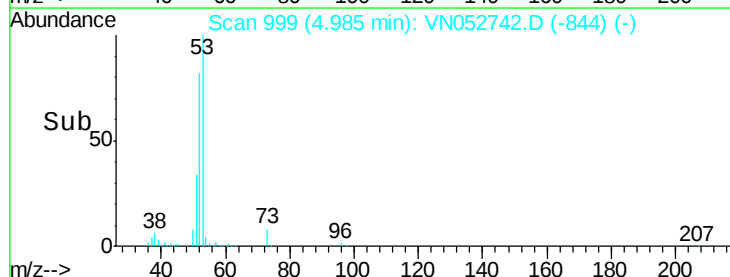
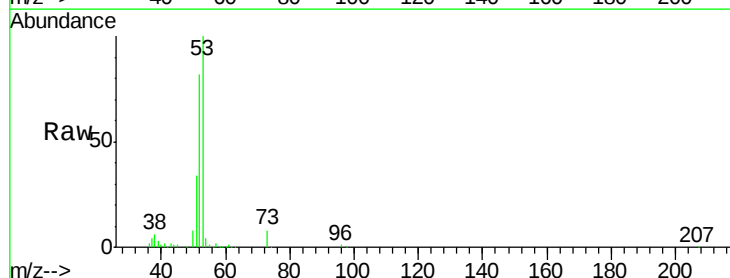
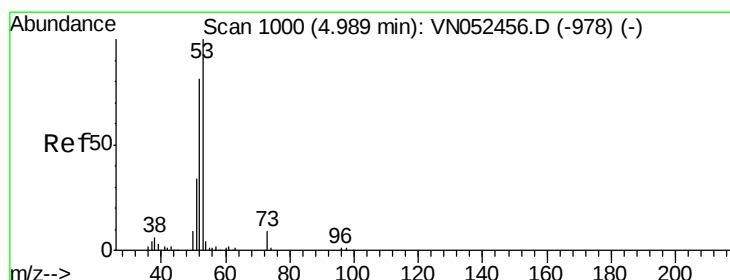
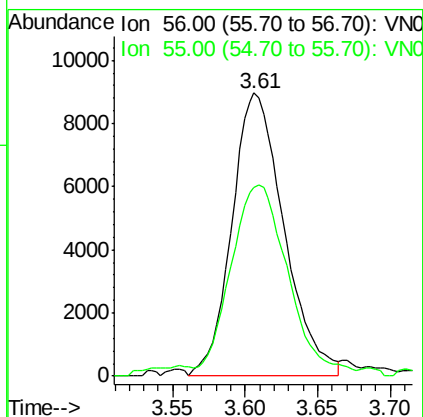
VSTDCCC020

Manual Integrations

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#14

Acrylonitrile

Concen: 102.677 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN052742.D

Acq: 10 Dec 2018 9:50

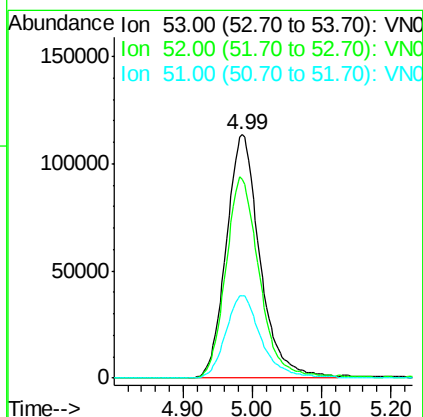
Tgt Ion: 53 Resp: 385368

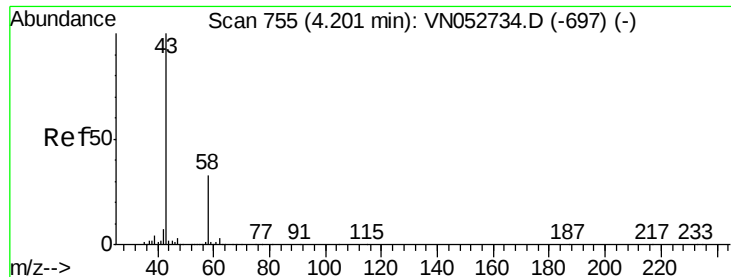
Ion Ratio Lower Upper

53 100

52 81.3 39.9 119.7

51 35.6 17.6 52.9





#15

Acetone

Concen: 95.529 ug/l

RT: 3.82 min Scan# 635

Delta R.T. -0.00 min

Lab File: VN052742.D

Acq: 10 Dec 2018 9:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 58 Resp: 92854

Ion Ratio Lower Upper

58 100

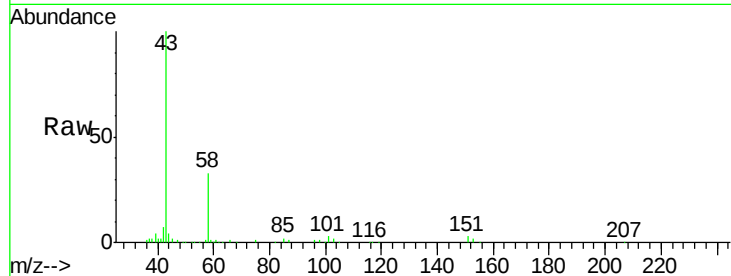
43 305.3 243.6 365.4

Manual Integrations

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Abundance Ion 58.00 (57.70 to 58.70): VN052734.D (-697) (-)

Ion 43.00 (42.70 to 43.70): VN052734.D (-697) (-)

120000

100000

80000

60000

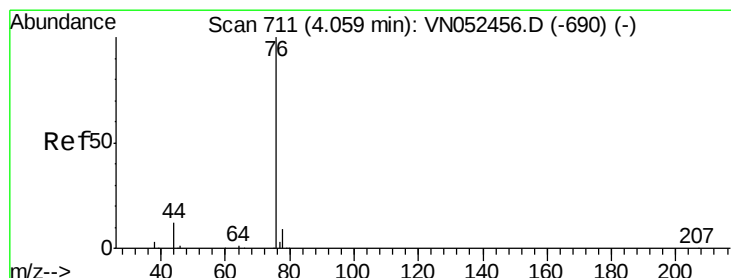
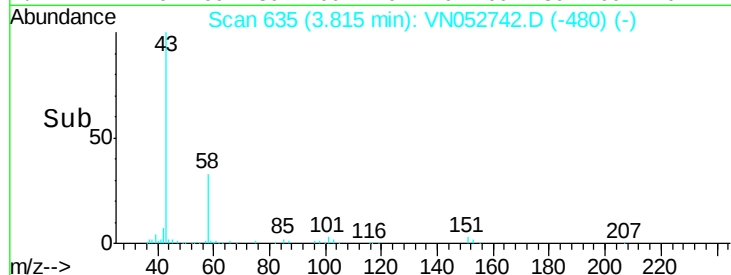
40000

20000

0

3.70 3.80 3.90

Time-->



#16

Carbon Disulfide

Concen: 18.666 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN052742.D

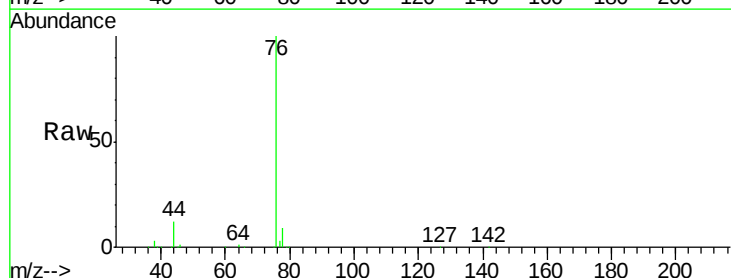
Acq: 10 Dec 2018 9:50

Tgt Ion: 76 Resp: 612672

Ion Ratio Lower Upper

76 100

78 9.0 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN052456.D (-690) (-)

Ion 78.00 (77.70 to 78.70): VN052456.D (-690) (-)

250000

200000

150000

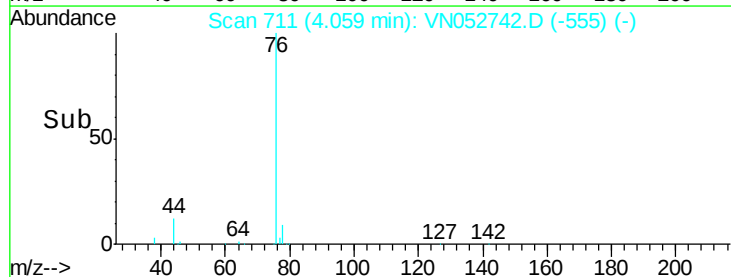
100000

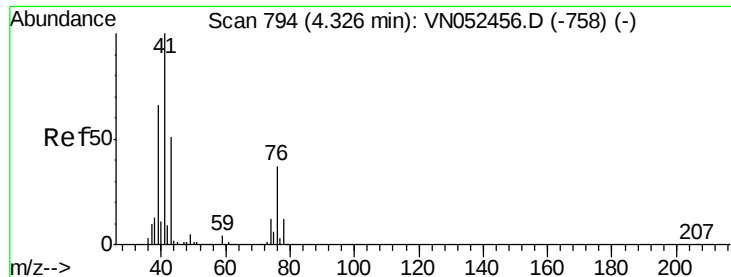
50000

0

3.90 4.00 4.10 4.20

Time-->





#17

Allvl chloride

Concen: 18.422 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN052742.D

Acq: 10 Dec 2018 9:50

Instrument :

MSVOA_N

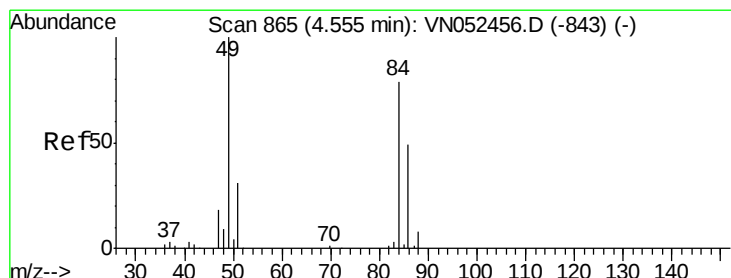
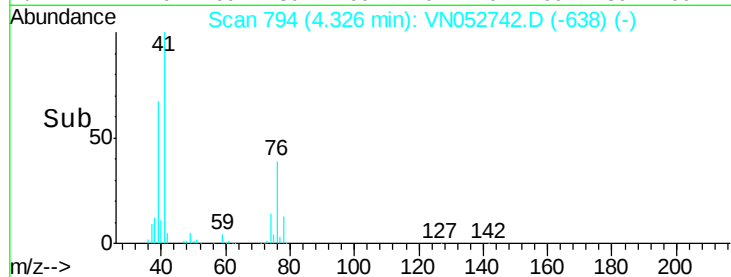
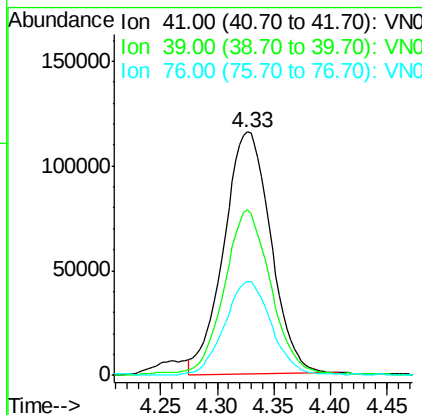
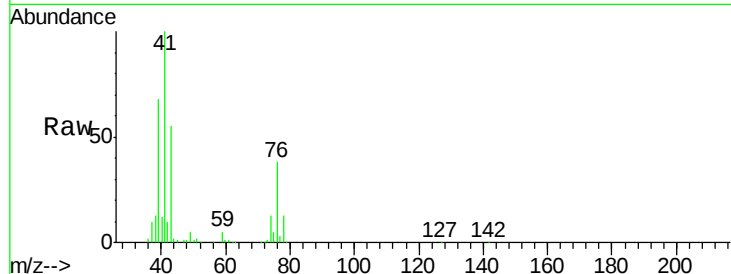
ClientSampleId :

VSTDCCC020

Tot Ion:	41	Resp:	333067
Ion	Ratio	Lower	Upper
41	100		
39	68.1	32.8	98.3
76	38.4	18.6	55.8

Manual Integrations
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#18

Methylene Chloride

Concen: 19.879 ug/l

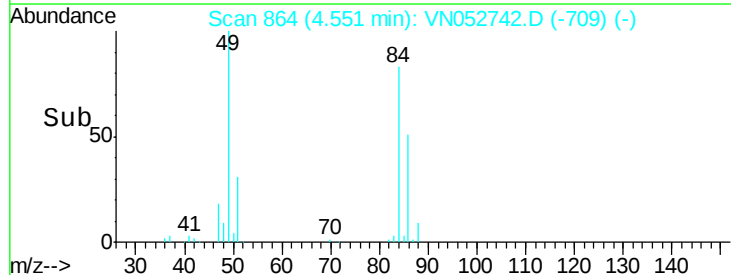
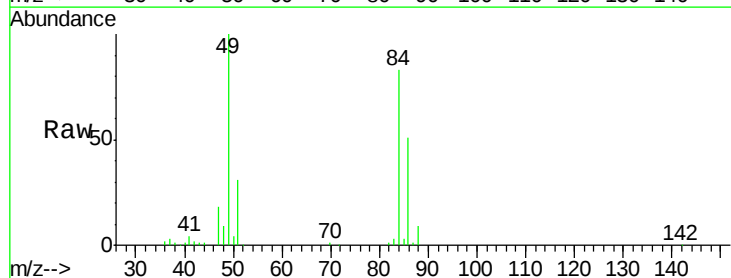
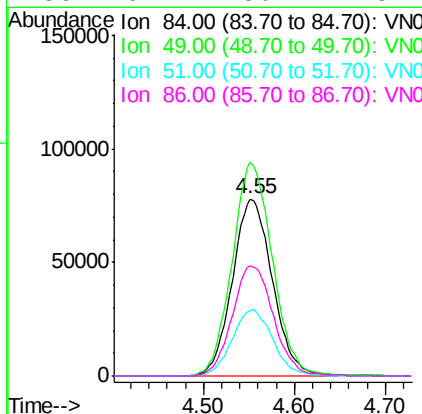
RT: 4.55 min Scan# 864

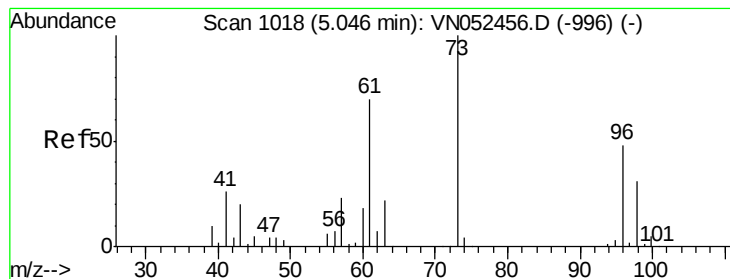
Delta R.T. -0.00 min

Lab File: VN052742.D

Acq: 10 Dec 2018 9:50

Tgt Ion:	84	Resp:	238623
Ion	Ratio	Lower	Upper
84	100		
49	120.5	101.4	152.0
51	37.1	31.7	47.5
86	62.1	50.1	75.1





#19

trans-1,2-Dichloroethene

Concen: 19.967 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN052742.D

Acq: 10 Dec 2018 9:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 96 Resp: 222767

Ion Ratio Lower Upper

96 100

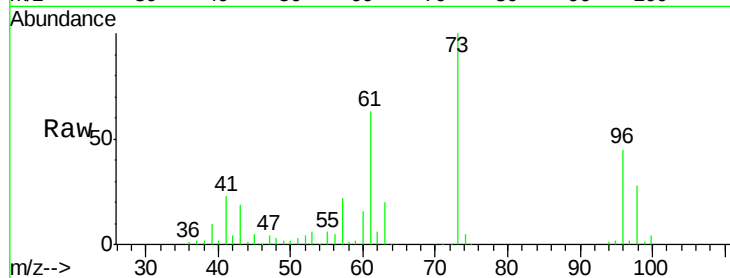
61 140.1 118.2 177.4

98 61.7 51.4 77.2

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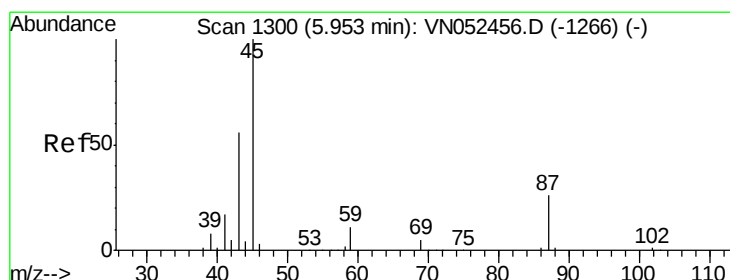
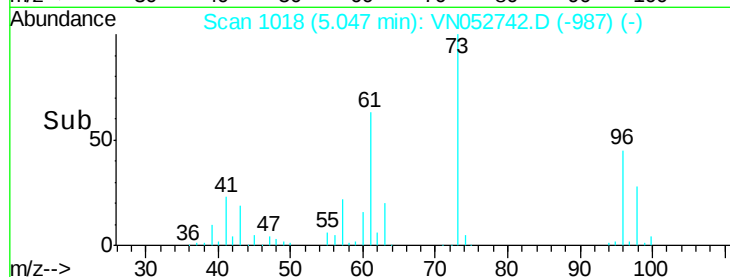
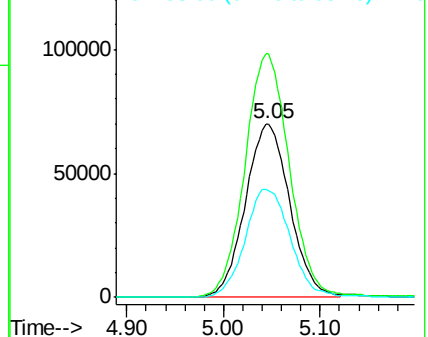
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Abundance Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 98.00 (97.70 to 98.70): VNO



#20

Diisopropyl ether

Concen: 19.909 ug/l

RT: 5.95 min Scan# 1299

Delta R.T. -0.00 min

Lab File: VN052742.D

Acq: 10 Dec 2018 9:50

Tgt Ion: 45 Resp: 756448

Ion Ratio Lower Upper

45 100

43 56.6 47.8 71.8

87 27.4 21.3 31.9

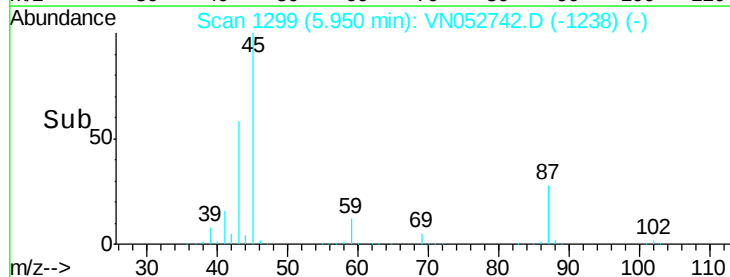
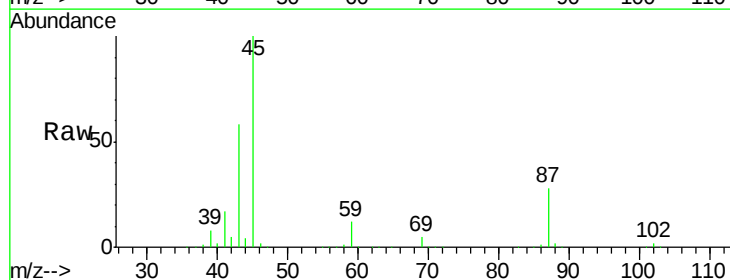
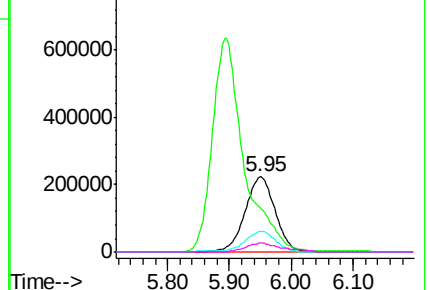
59 11.6 8.9 13.3

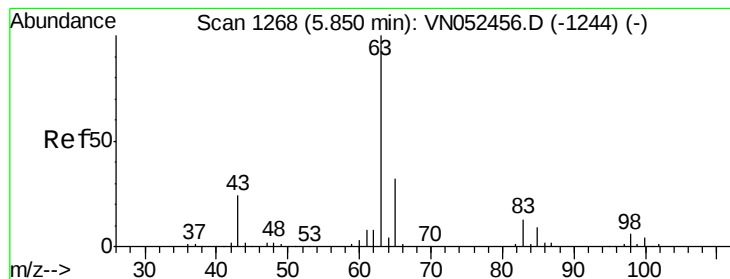
Abundance Ion 45.00 (44.70 to 45.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

Ion 59.00 (58.70 to 59.70): VNO





#21

1,1-Dichloroethane

Concen: 19.863 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN052742.D

Acq: 10 Dec 2018 9:50

Instrument :

MSVOA_N

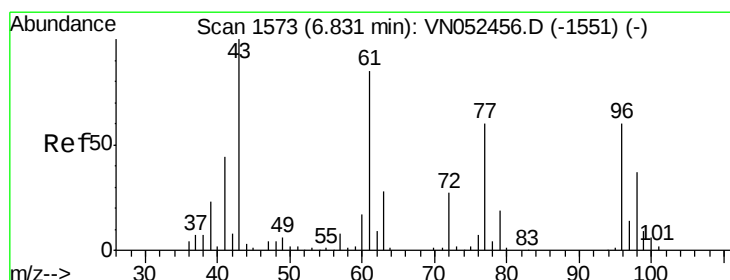
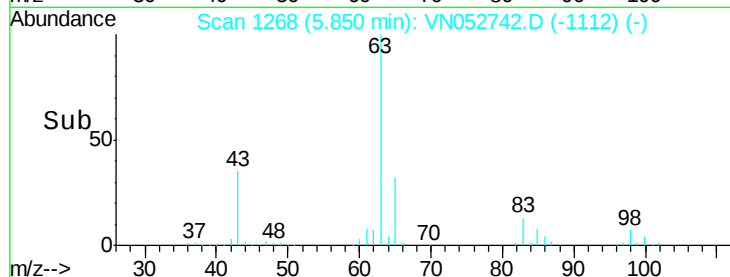
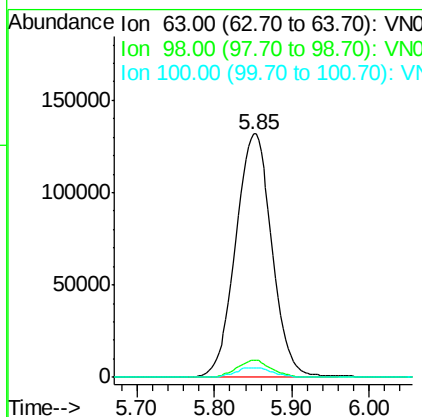
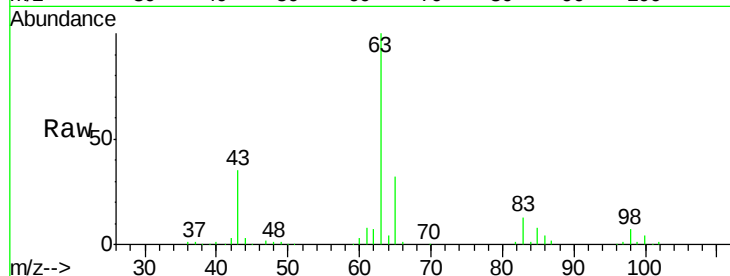
ClientSampleId :

VSTDCCC020

Tot Ion:	63	Resp:	430144
Ion Ratio	Lower	Upper	
63	100		
98	7.0	3.0	9.2
100	4.0	1.8	5.5

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#22

cis-1,2-Dichloroethene

Concen: 20.253 ug/l

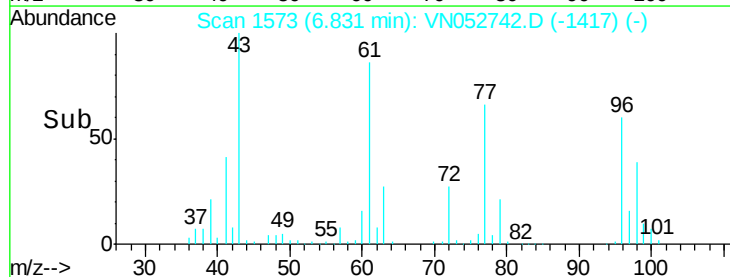
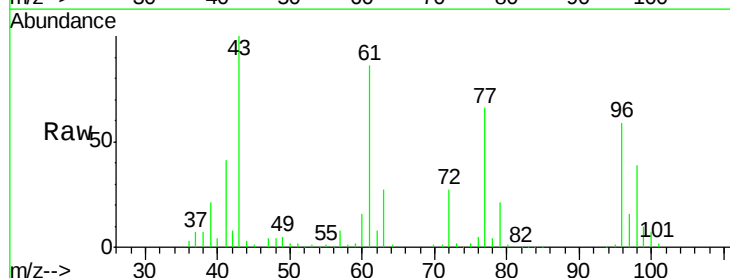
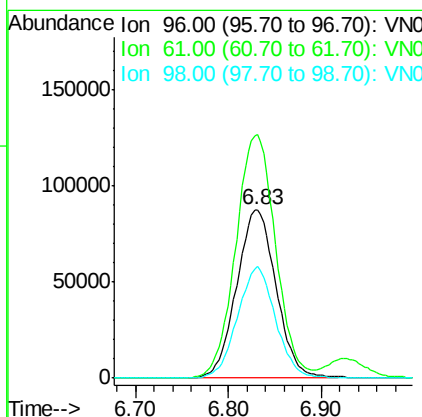
RT: 6.83 min Scan# 1573

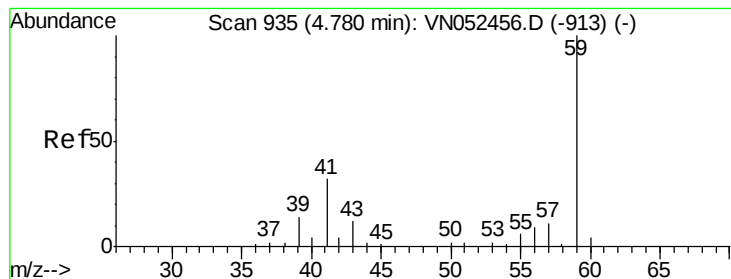
Delta R.T. 0.00 min

Lab File: VN052742.D

Acq: 10 Dec 2018 9:50

Tgt Ion:	96	Resp:	258964
Ion Ratio	Lower	Upper	
96	100		
61	145.6	116.7	175.1
98	63.8	50.8	76.2





#23

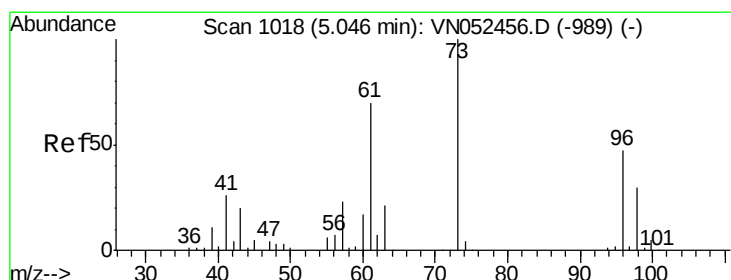
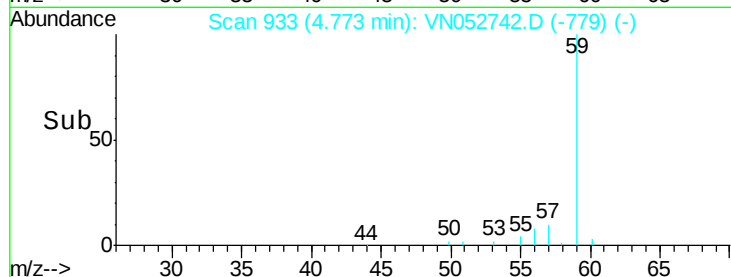
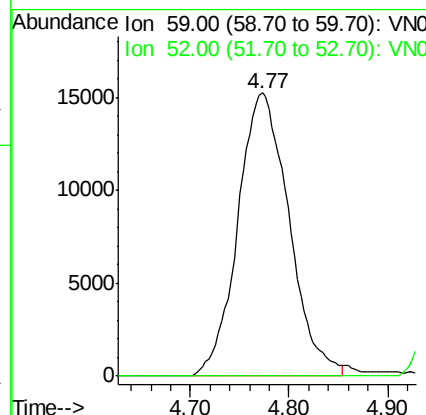
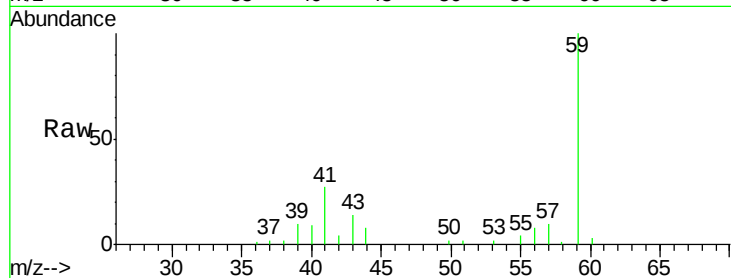
tert-Butyl Alcohol
 Concen: 98.217 ug/l
 RT: 4.77 min Scan# 933
 Delta R.T. -0.01 min
 Lab File: VN052742.D
 Acq: 10 Dec 2018 9:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.0	0.0

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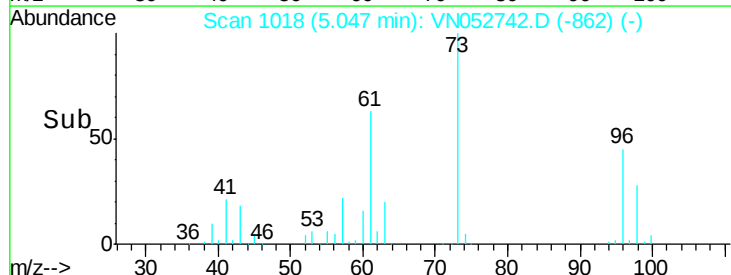
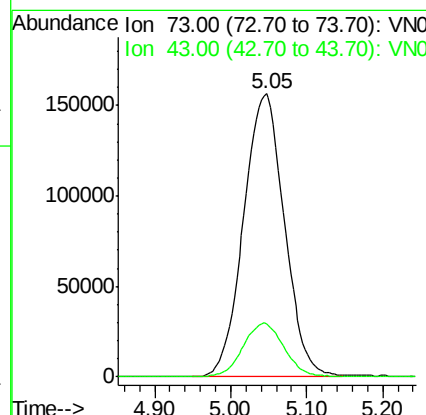
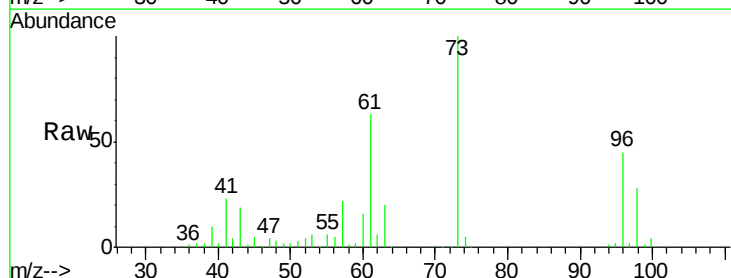
MMDadoda
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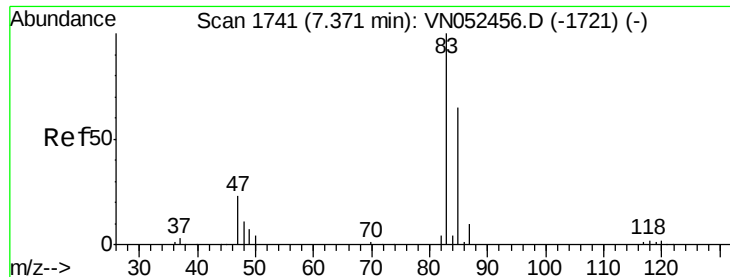


#24

Methyl tert-Butyl Ether
 Concen: 21.492 ug/l
 RT: 5.05 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VN052742.D
 Acq: 10 Dec 2018 9:50

Tgt Ion	Ratio	Lower	Upper
73	100		
43	18.8	15.8	23.8





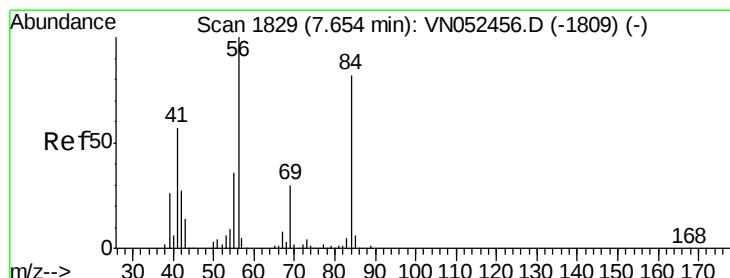
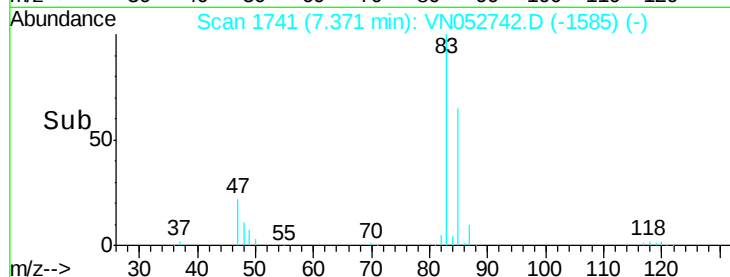
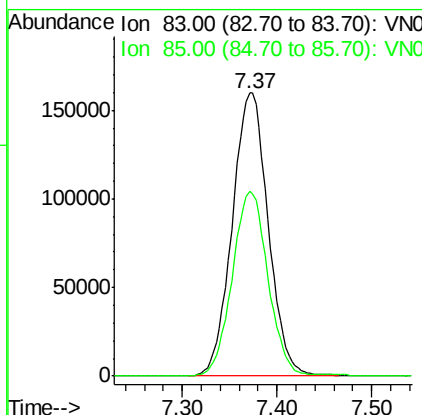
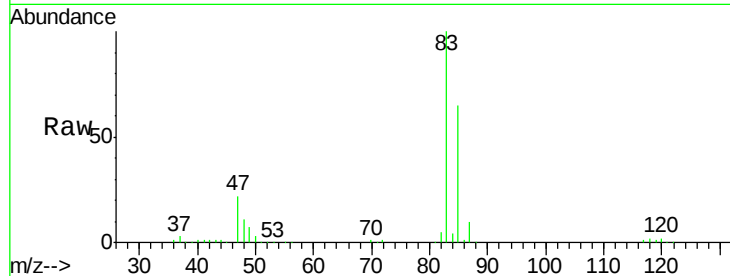
#25
Chloroform
Concen: 20.236 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN052742.D
Acq: 10 Dec 2018 9:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	83	Resp	422767
Ion Ratio	100	Lower	Upper
83	100		
85	65.1	51.7	77.5

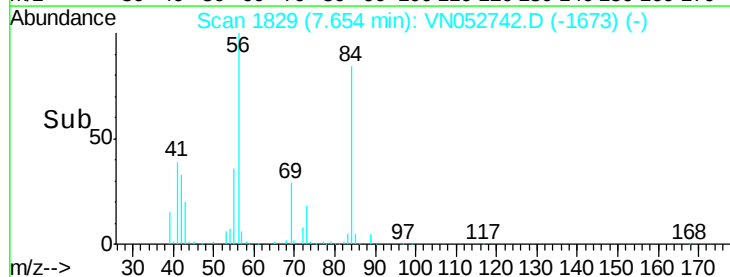
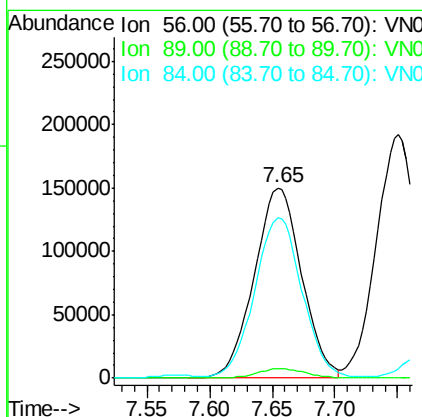
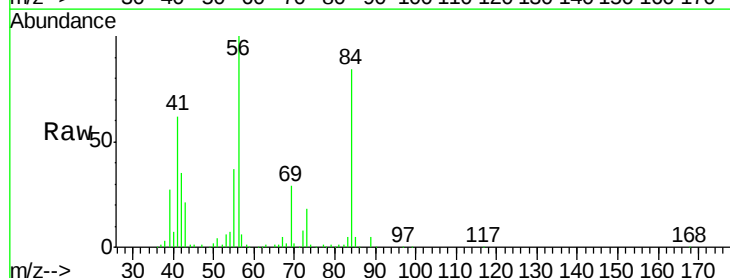
Manual Integrations
APPROVED

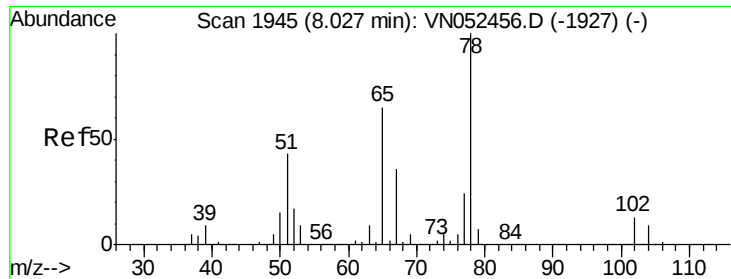
MMDadoda
12/11/2018 12:45:34 PM



#26
Cyclohexane
Concen: 19.365 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN052742.D
Acq: 10 Dec 2018 9:50

Tgt Ion	56	Resp	395522
Ion Ratio	100	Lower	Upper
56	100		
89	4.9	0.5	0.7#
84	84.9	66.2	99.2





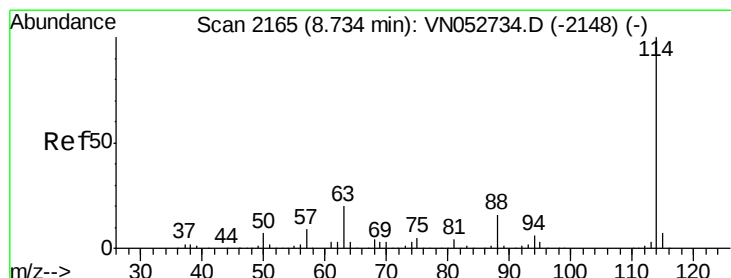
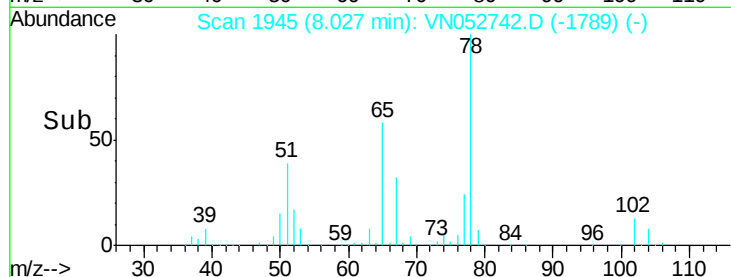
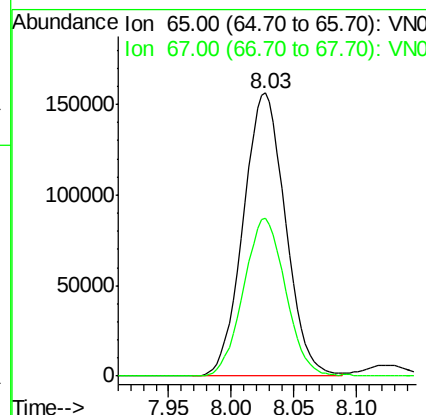
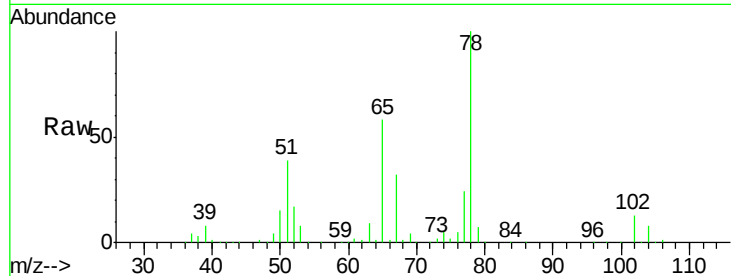
#27
 1,2-Dichloroethane-d4
 Concen: 19.365 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052742.D
 Acq: 10 Dec 2018 9:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
65	100		
67	55.3	44.6	66.8

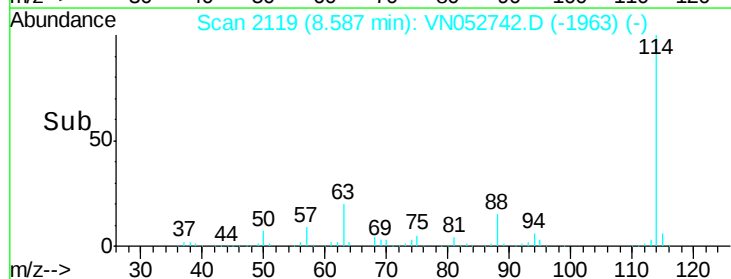
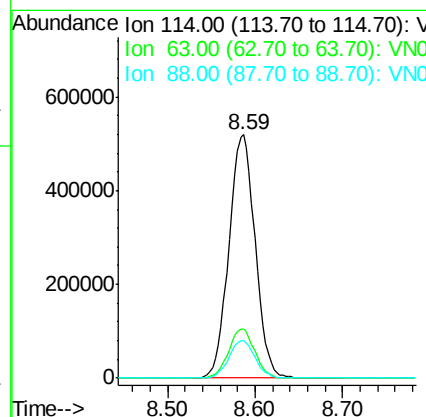
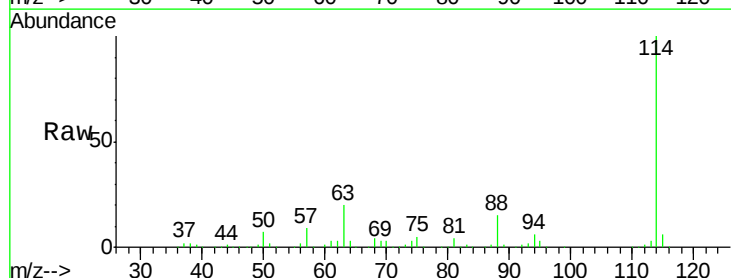
Manual Integrations
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 12/11/2018 12:45:34 PM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052742.D
 Acq: 10 Dec 2018 9:50

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.1	16.9	25.3
88	15.4	12.8	19.2





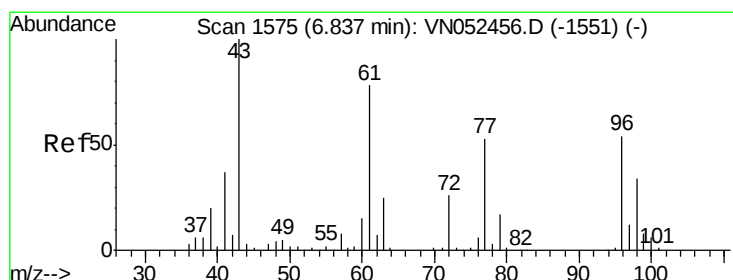
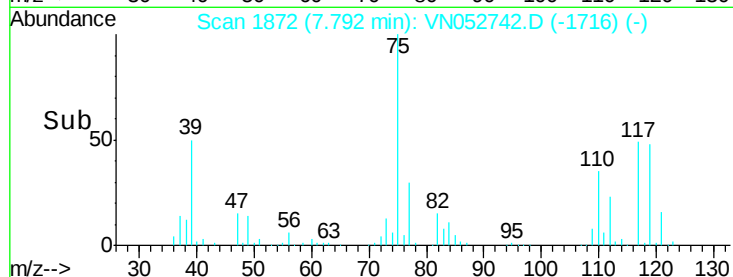
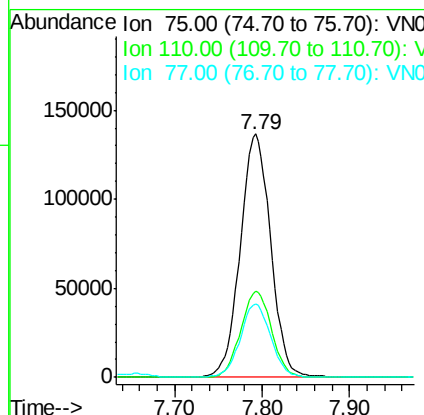
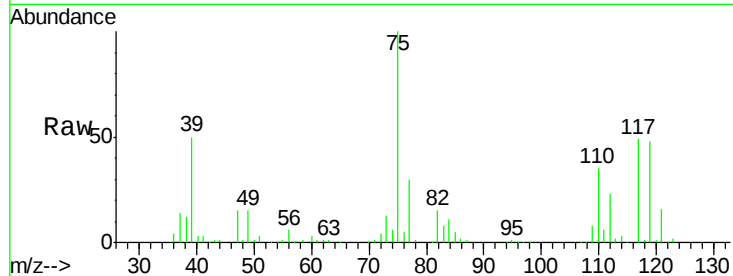
#29
 1,1-Dichloropropene
 Concen: 20.007 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN052742.D
 Acq: 10 Dec 2018 9:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	35.8	0.0	70.2
77	30.4	0.0	62.6

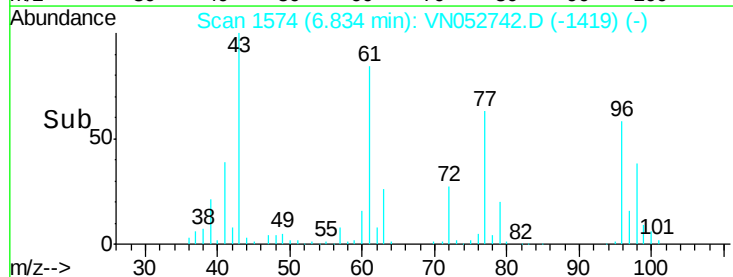
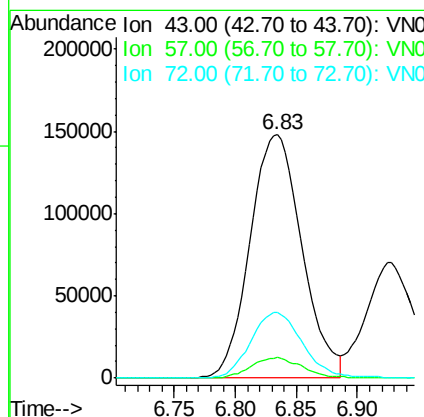
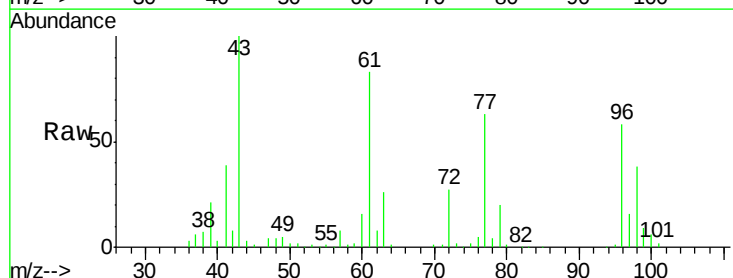
Manual Integrations
 APPROVED

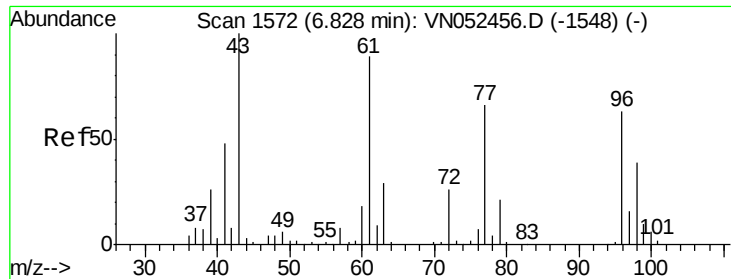
MMDadoda
 12/11/2018 12:45:34 PM



#30
 2-Butanone
 Concen: 98.628 ug/l
 RT: 6.83 min Scan# 1574
 Delta R.T. -0.00 min
 Lab File: VN052742.D
 Acq: 10 Dec 2018 9:50

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	8.3	6.2	9.4
72	26.9	21.0	31.6





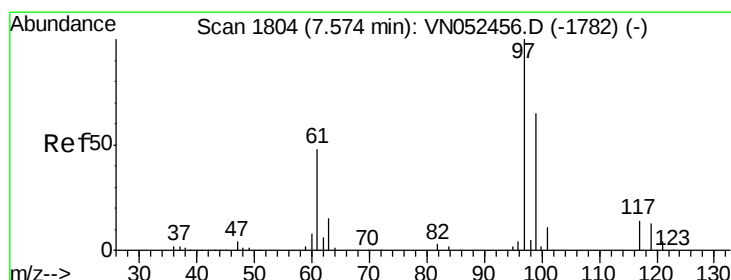
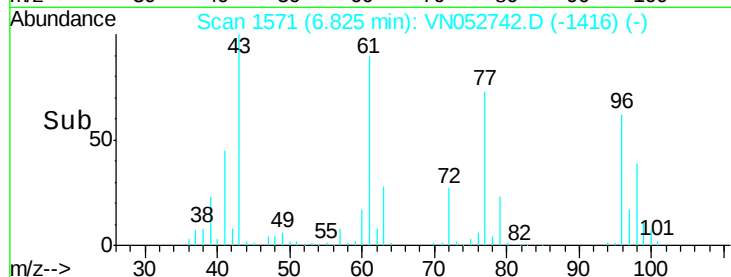
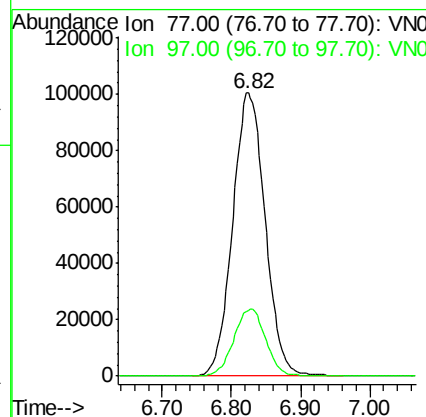
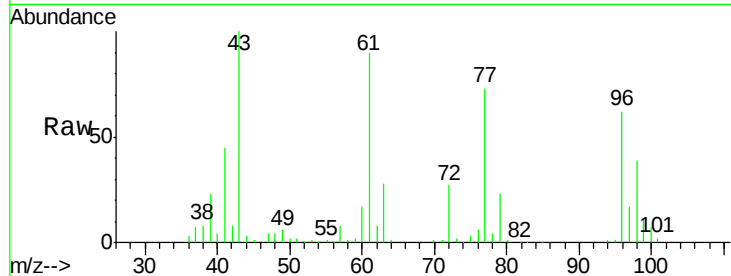
#31
 2,2-Dichloropropane
 Concen: 21.673 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. -0.00 min
 Lab File: VN052742.D
 Acq: 10 Dec 2018 9:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion: 77 Resp: 329128
 Ion Ratio Lower Upper
 77 100
 97 23.2 18.7 28.1

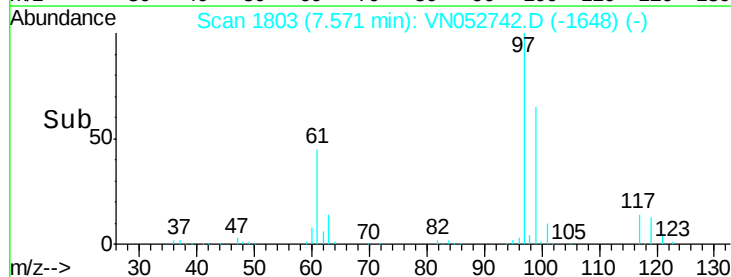
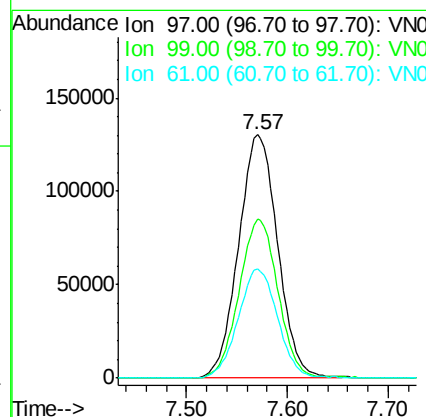
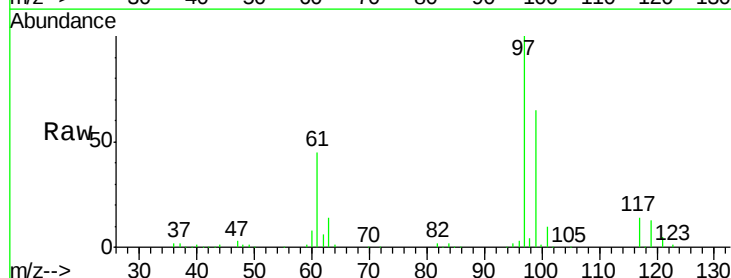
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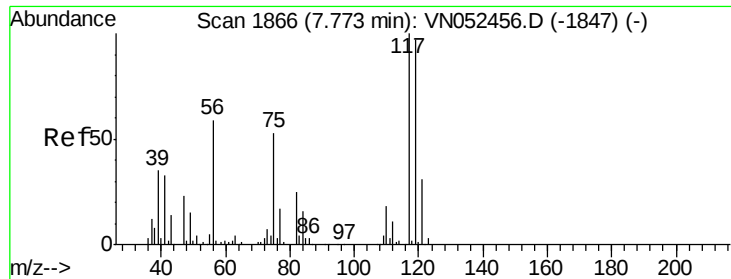
MMDadoda
 12/11/2018 12:45:34 PM



#32
 1,1,1-Trichloroethane
 Concen: 20.463 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VN052742.D
 Acq: 10 Dec 2018 9:50

Tgt Ion: 97 Resp: 351234
 Ion Ratio Lower Upper
 97 100
 99 64.8 50.9 76.3
 61 45.2 38.1 57.1





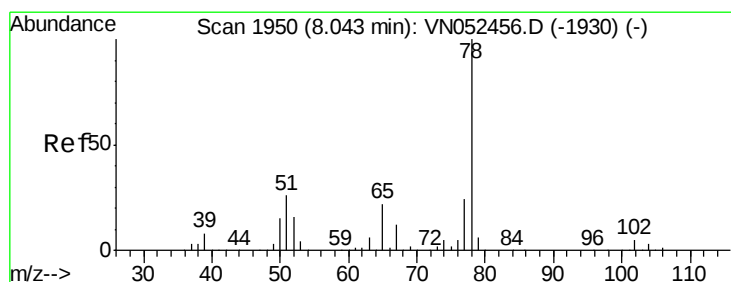
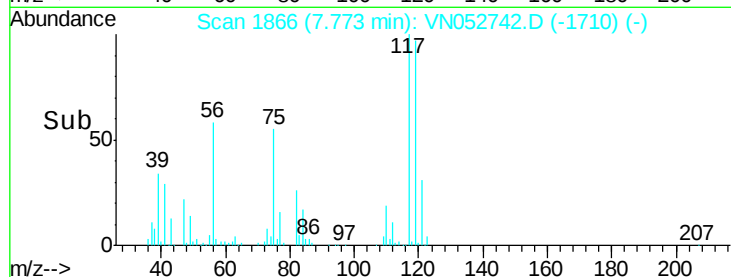
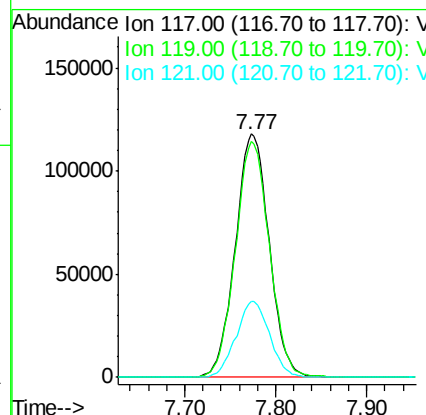
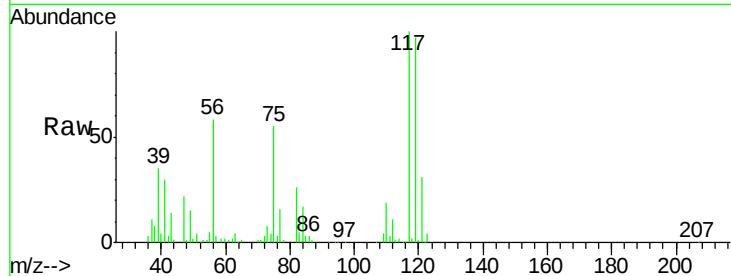
#33
Carbon Tetrachloride
Concen: 20.341 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN052742.D
Acq: 10 Dec 2018 9:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
117	100		
119	97.0	77.3	115.9
121	31.2	24.9	37.3

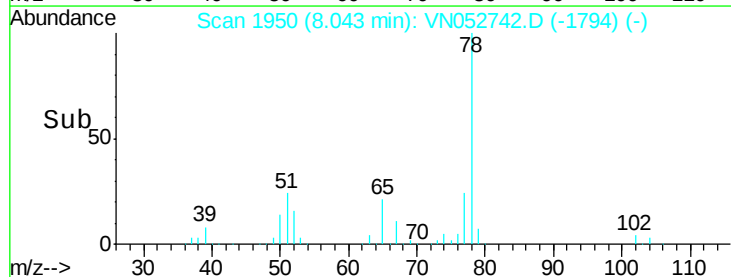
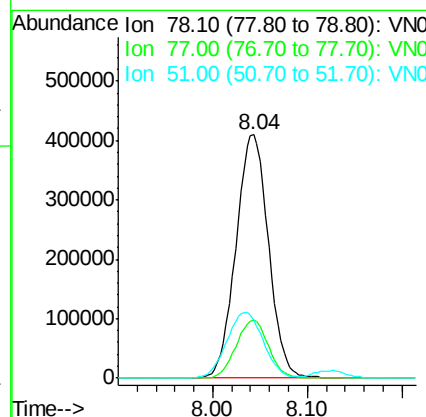
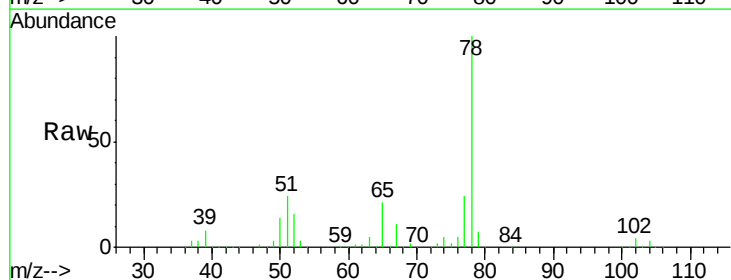
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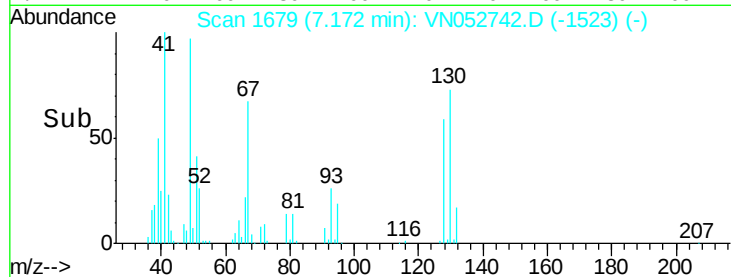
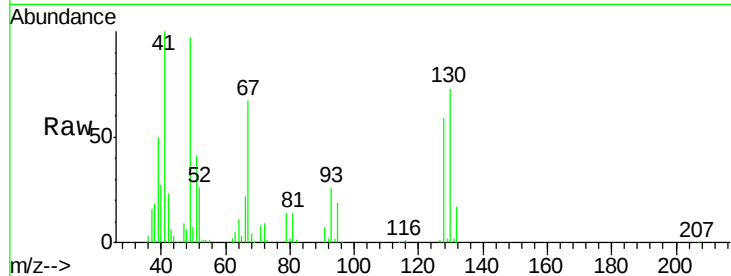
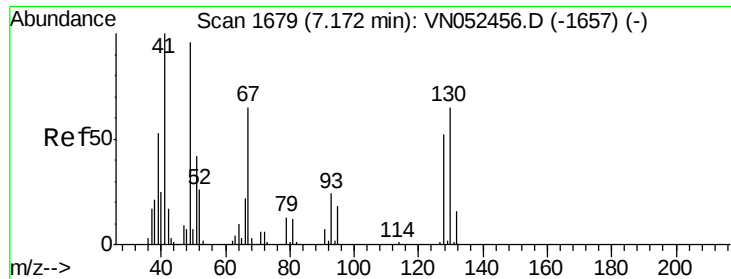
MMDadoda
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#34
Benzene
Concen: 19.749 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN052742.D
Acq: 10 Dec 2018 9:50

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.0	28.6
51	23.9	20.5	30.7





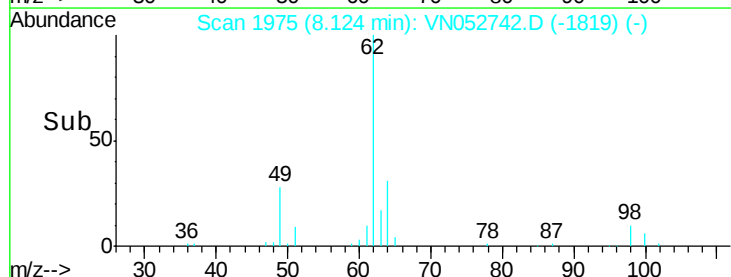
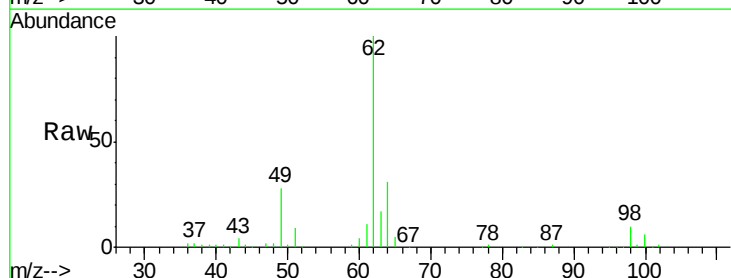
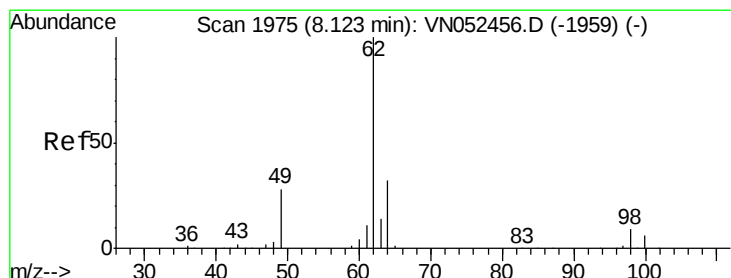
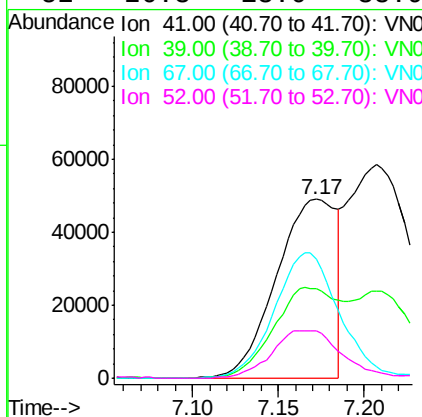
#35
Methacrylonitrile
Concen: 21.678 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN052742.D
Acq: 10 Dec 2018 9:50

Tot Ion	41	Resp	118721
Ion Ratio	Lower	Upper	
41	100		
39	50.1	26.6	79.7
67	66.8	32.3	96.9
52	26.3	13.0	38.9

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

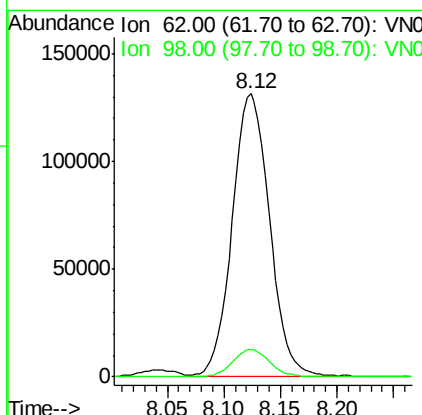
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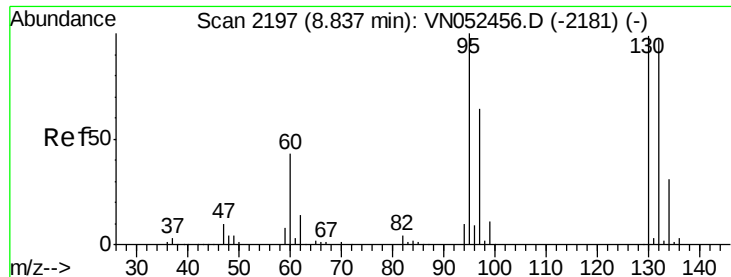
MMDadoda
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#36
1,2-Dichloroethane
Concen: 20.068 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN052742.D
Acq: 10 Dec 2018 9:50

Tgt Ion	62	Resp	301603
Ion Ratio	Lower	Upper	
62	100		
98	9.6	7.4	11.2





#37

Trichloroethene

Concen: 21.178 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN052742.D

Acq: 10 Dec 2018 9:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion:130 Resp: 266342

Ion Ratio Lower Upper

130 100

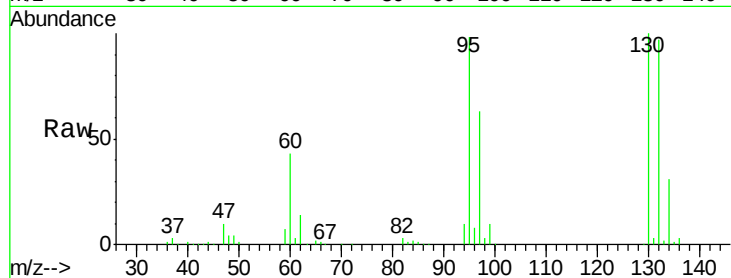
95 98.4 81.0 121.4

Manual Integrations

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Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN

8.83

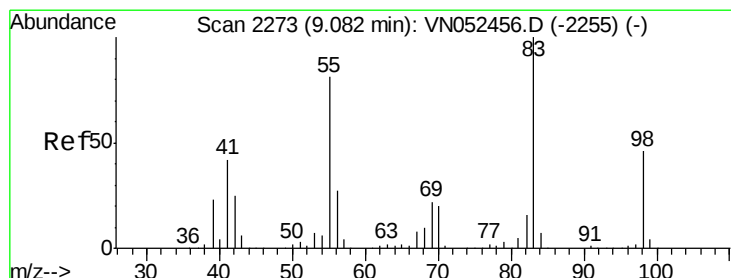
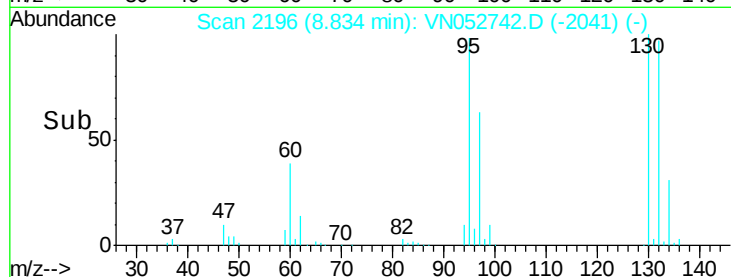
150000

100000

50000

0

Time-->



#38

Methylcyclohexane

Concen: 19.949 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VN052742.D

Acq: 10 Dec 2018 9:50

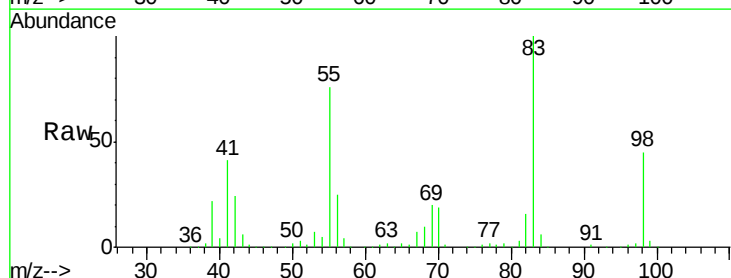
Tgt Ion: 83 Resp: 407355

Ion Ratio Lower Upper

83 100

55 75.6 39.8 119.4

98 45.2 22.9 68.5



Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN

9.08

250000

200000

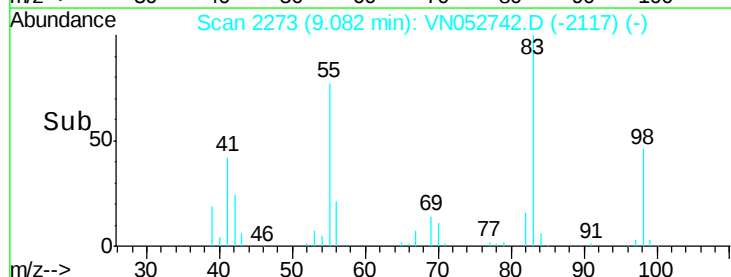
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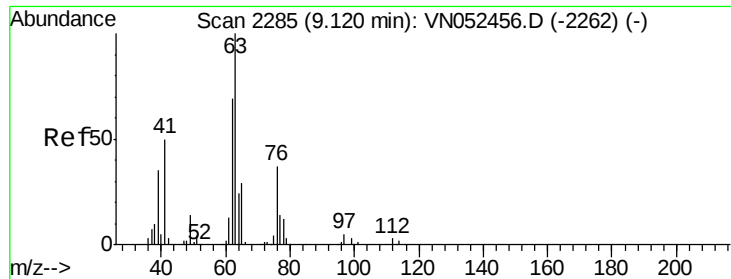
100000

50000

0

Time-->





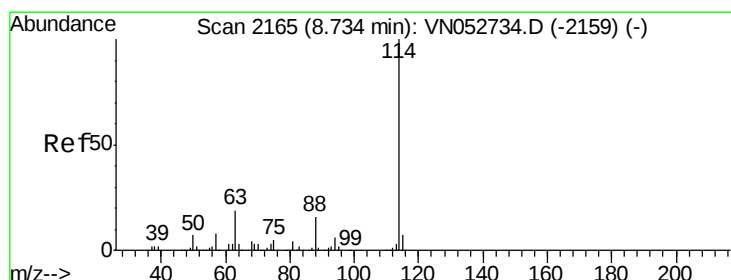
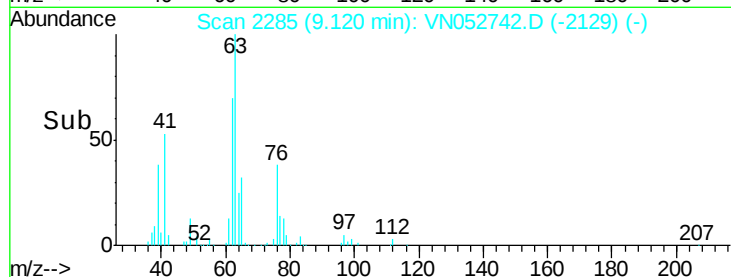
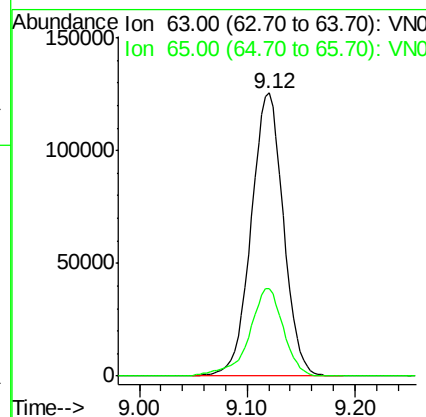
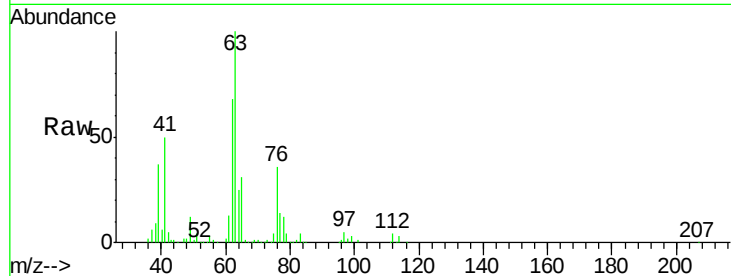
#39
 1,2-Dichloropropane
 Concen: 19.628 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN052742.D
 Acq: 10 Dec 2018 9:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.9	23.6	35.4

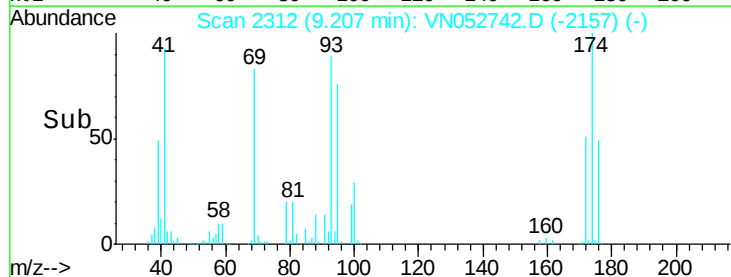
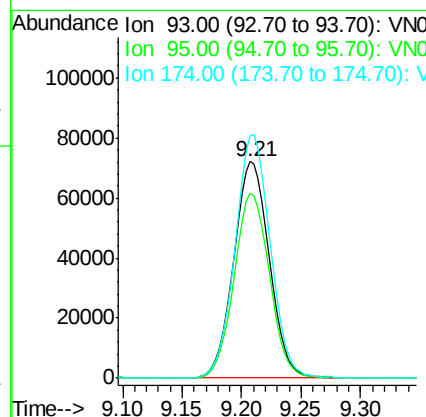
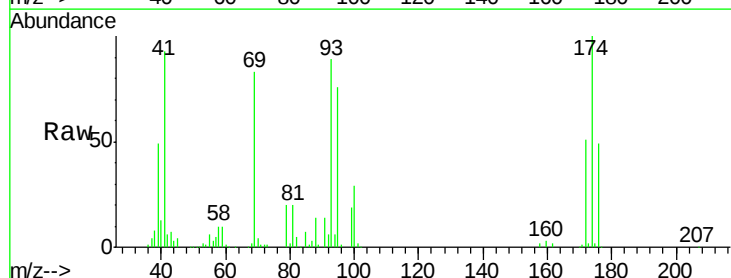
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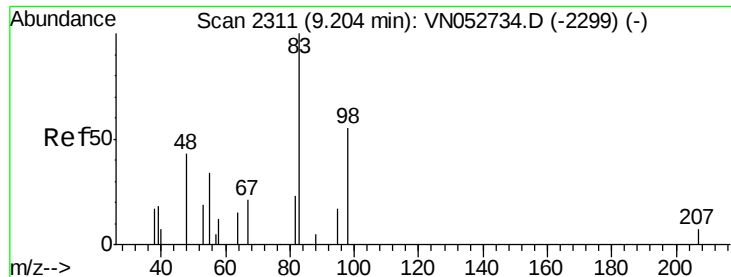
MMDadoda
 12/11/2018 12:45:34 PM



#40
 Dibromomethane
 Concen: 20.816 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN052742.D
 Acq: 10 Dec 2018 9:50

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.6	0.0	168.4
174	111.0	0.0	210.0





#41

Bromodichloromethane

Concen: 20.140 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN052742.D

Acq: 10 Dec 2018 9:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 83 Resp: 319671

Ion Ratio Lower Upper

83 100

85 64.1 52.4 78.6

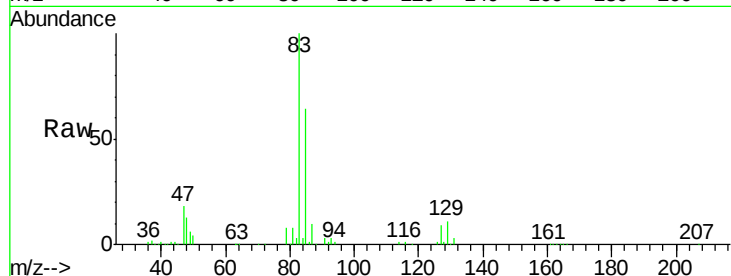
127 8.6 6.6 9.8

Manual Integrations

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MMDadoda

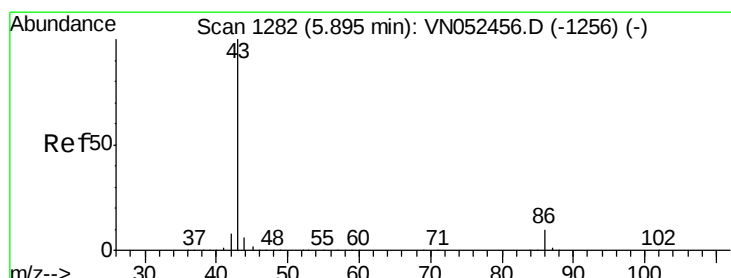
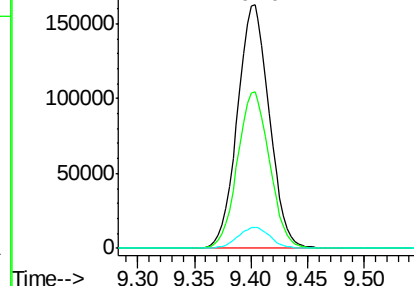
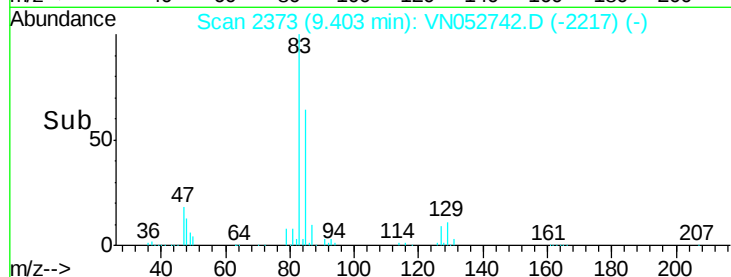
12/11/2018 12:45:34 PM



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0

Ion 127.00 (126.70 to 127.70): VN0



#42

Vinyl Acetate

Concen: 93.864 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN052742.D

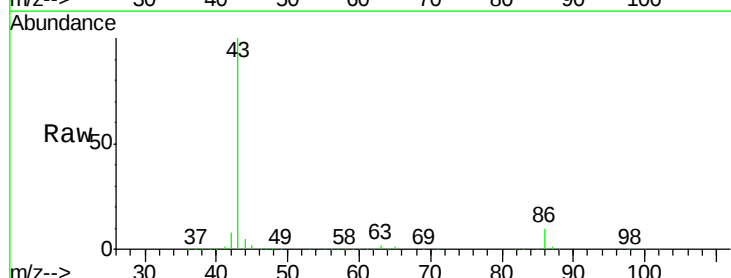
Acq: 10 Dec 2018 9:50

Tgt Ion: 43 Resp: 2241718

Ion Ratio Lower Upper

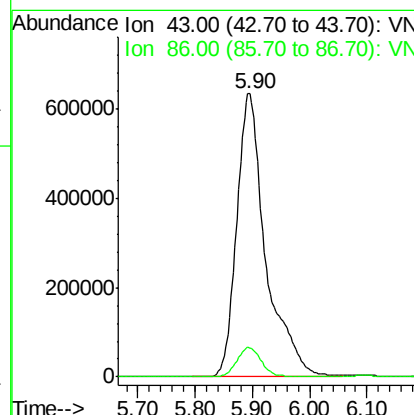
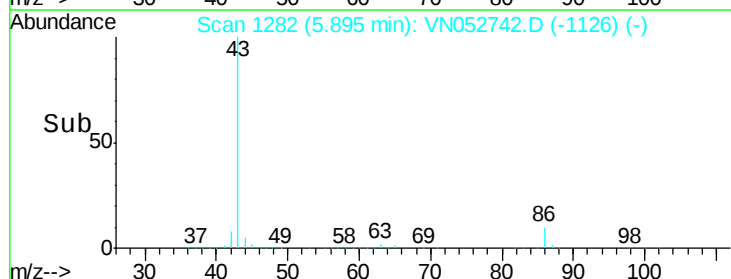
43 100

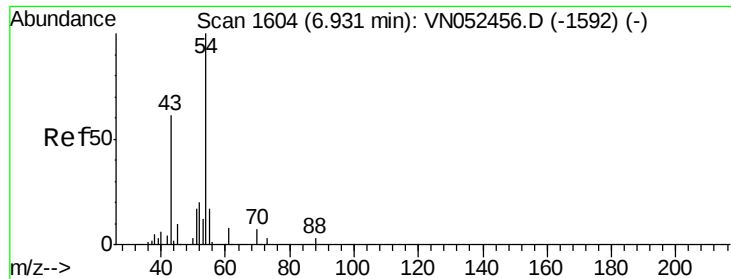
86 8.7 6.5 9.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0





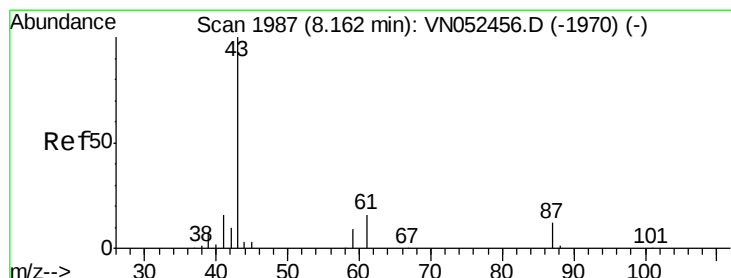
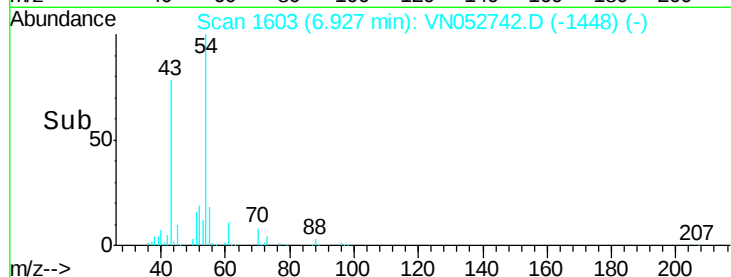
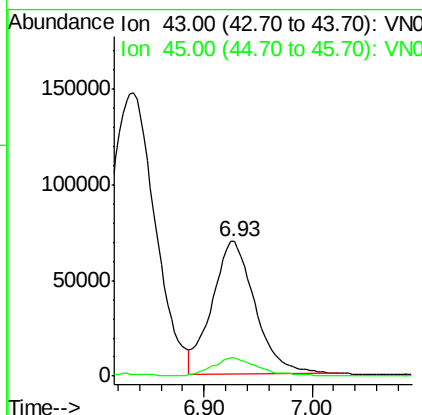
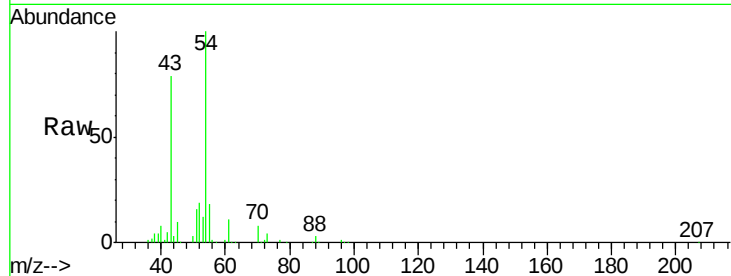
#43
Ethyl Acetate
Concen: 20.491 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN052742.D
Acq: 10 Dec 2018 9:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion: 43 Resp: 192329
Ion Ratio Lower Upper
43 100
45 13.1 1.0 1.6#

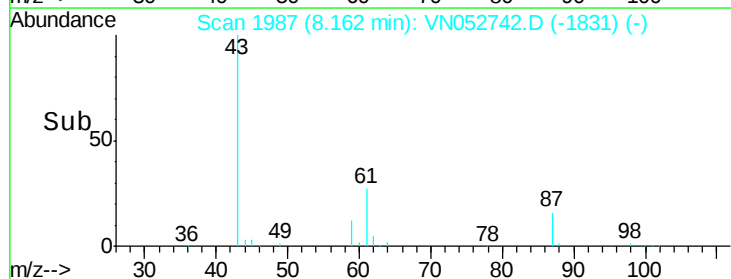
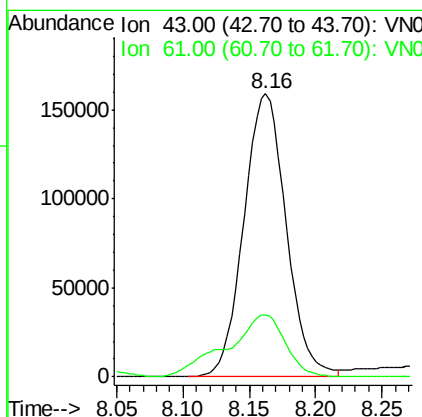
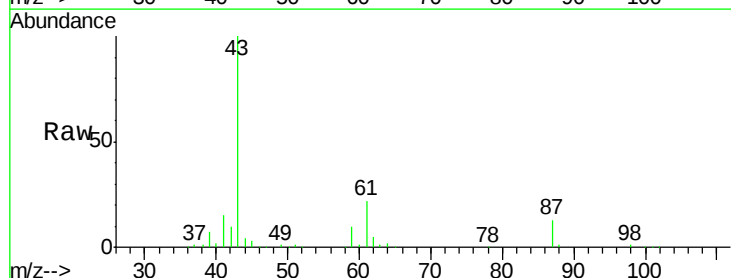
Manual Integrations
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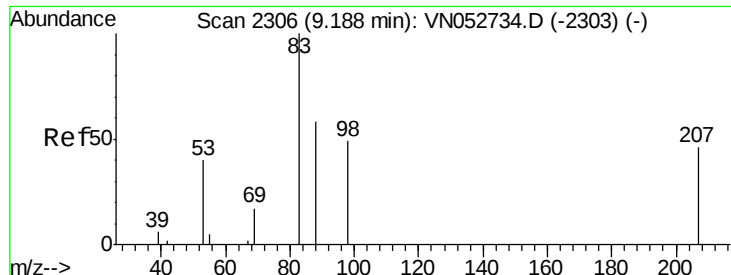
MMDadoda
12/11/2018 12:45:34 PM



#44
Isopropyl Acetate
Concen: 21.346 ug/l
RT: 8.16 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VN052742.D
Acq: 10 Dec 2018 9:50

Tgt Ion: 43 Resp: 351384
Ion Ratio Lower Upper
43 100
61 21.7 16.0 24.0





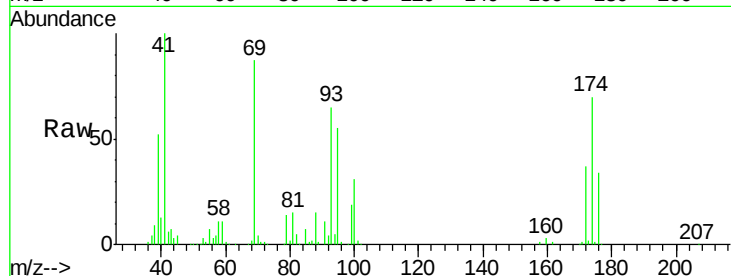
#45
 1,4-Dioxane
 Concen: 336.835 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN052742.D
 Acq: 10 Dec 2018 9:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

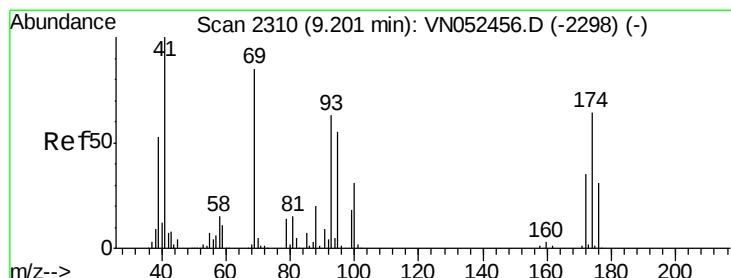
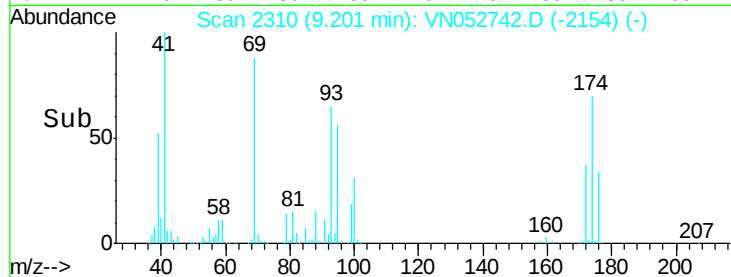
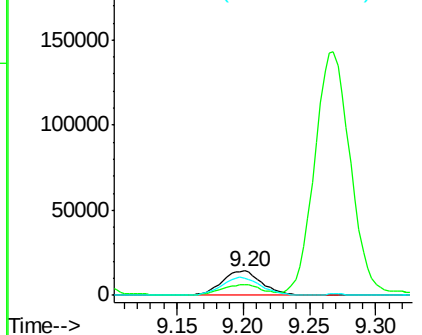
Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	37.4	29.5	44.3	
58	71.9	61.5	92.3	

Manual Integrations
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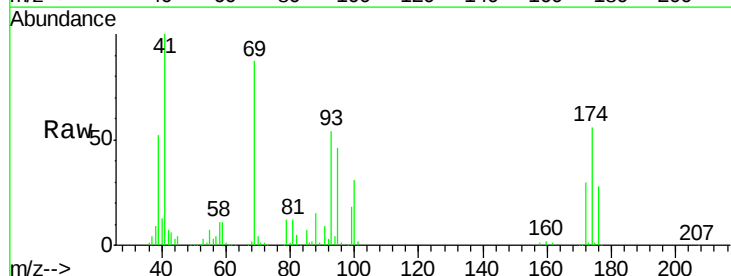


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

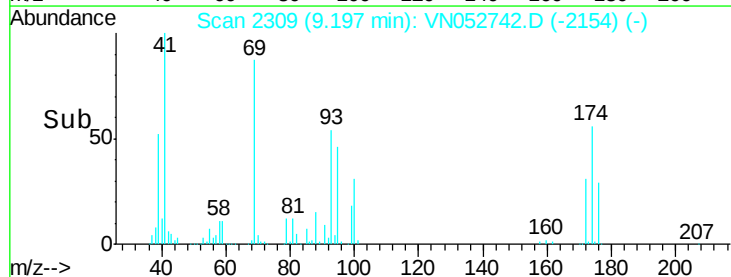
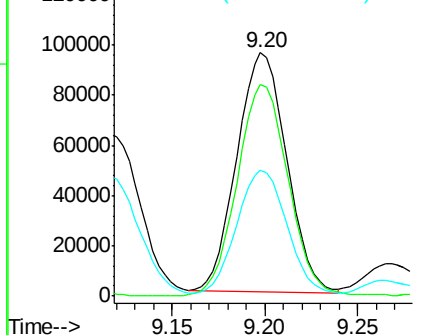


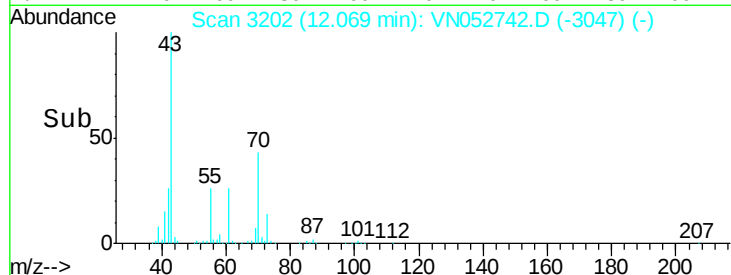
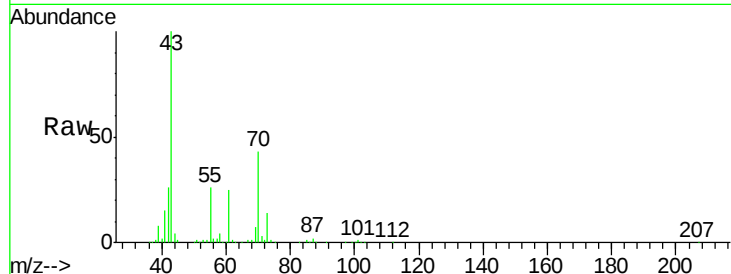
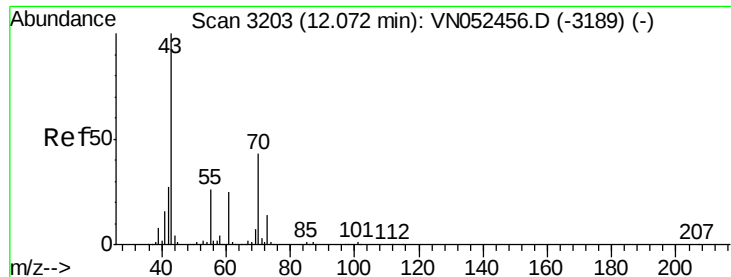
#46
 Methyl methacrylate
 Concen: 20.766 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN052742.D
 Acq: 10 Dec 2018 9:50

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	88.0	42.5	127.6	
39	51.6	26.3	78.9	



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





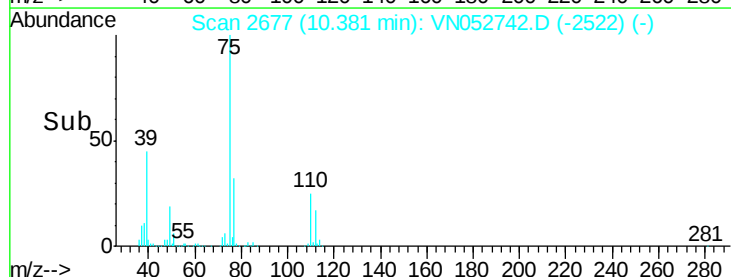
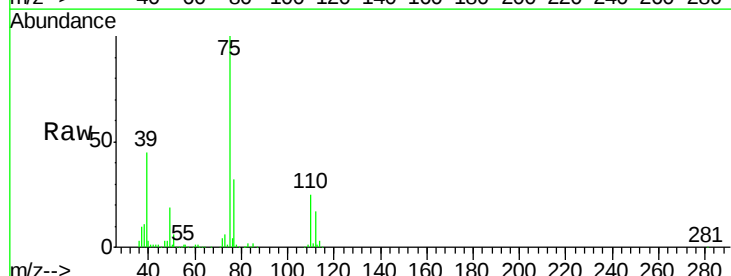
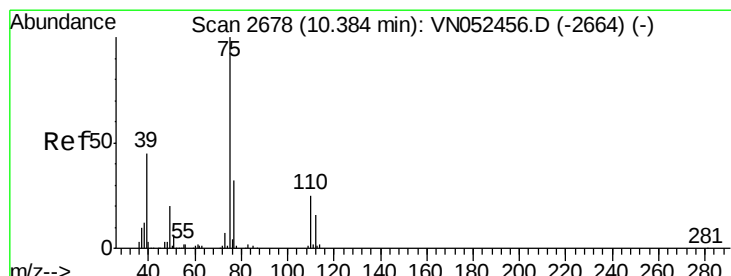
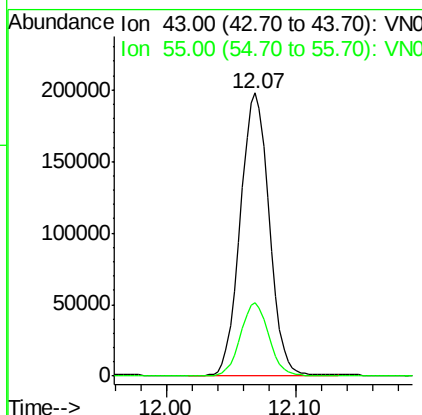
#47
n-amvl Acetate
Concen: 22.584 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VN052742.D
Acq: 10 Dec 2018 9:50

Tot Ion: 43 Resp: 308242
Ion Ratio Lower Upper
43 100
55 25.7 21.1 31.7

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

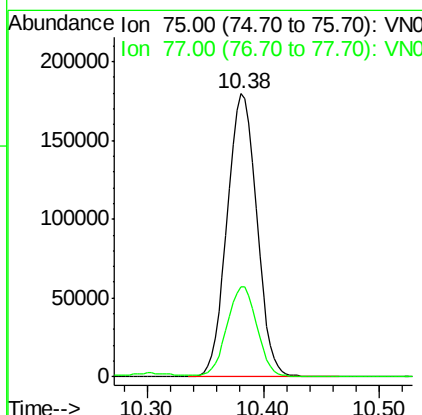
Manual Integrations
APPROVED

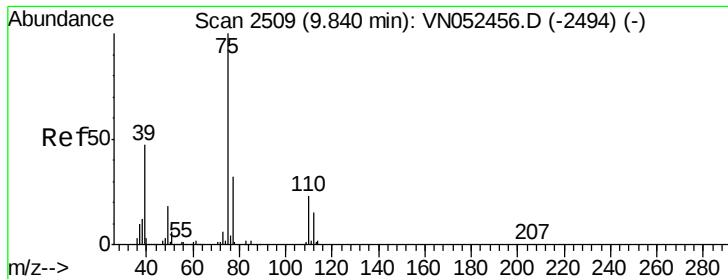
MMDadoda
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#48
t-1,3-Dichloropropene
Concen: 20.705 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN052742.D
Acq: 10 Dec 2018 9:50

Tgt Ion: 75 Resp: 318652
Ion Ratio Lower Upper
75 100
77 31.8 25.6 38.4





#49

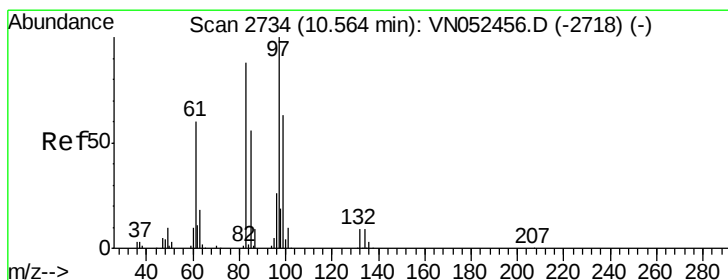
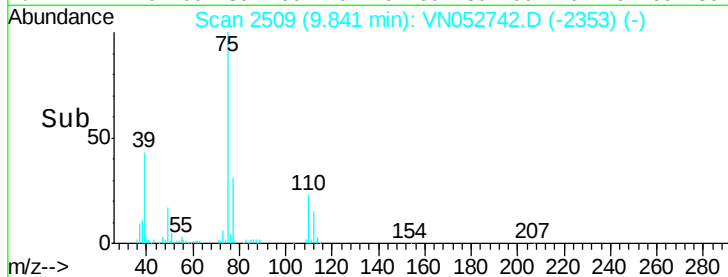
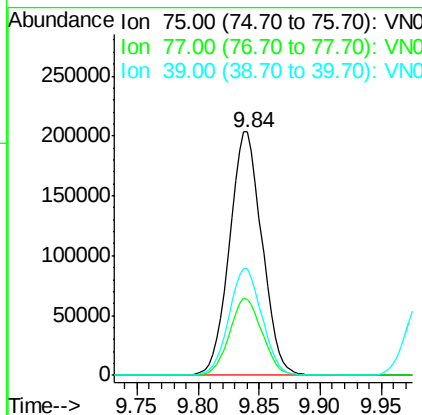
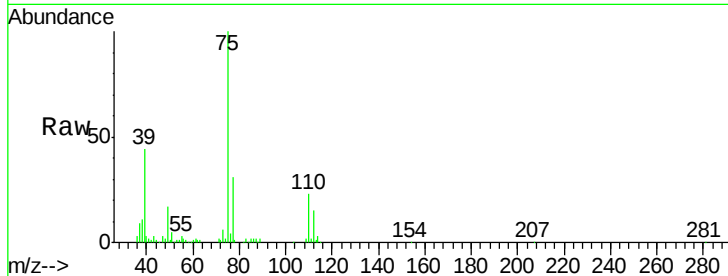
cis-1,3-Dichloropropene
Concen: 20.179 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN052742.D
Acq: 10 Dec 2018 9:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.4	38.0
39	43.5	37.3	55.9

Manual Integrations
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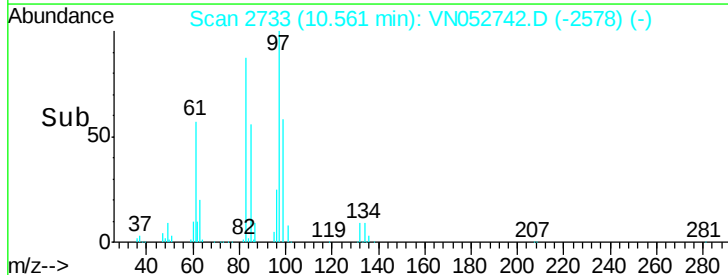
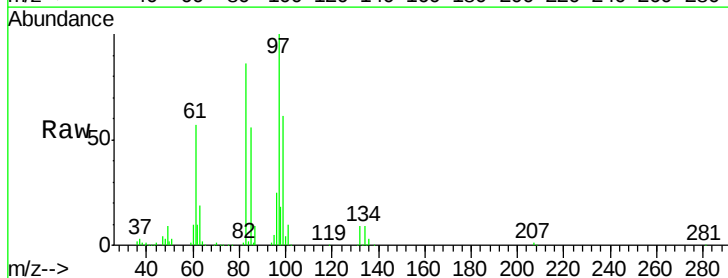
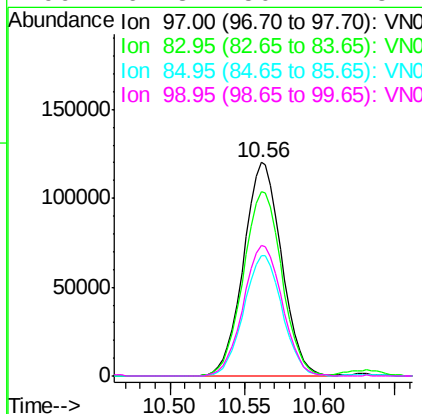
MMDadoda
12/11/2018 12:45:34 PM

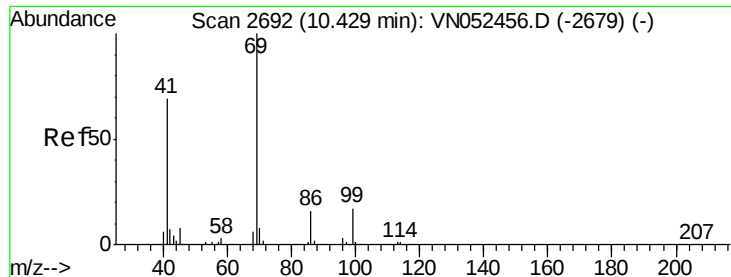


#50

1,1,2-Trichloroethane
Concen: 20.947 ug/l
RT: 10.56 min Scan# 2733
Delta R.T. -0.00 min
Lab File: VN052742.D
Acq: 10 Dec 2018 9:50

Tgt Ion	Ratio	Lower	Upper
97	100		
83	86.4	70.4	105.6
85	56.4	45.0	67.6
99	61.3	50.2	75.2





#51

Ethyl methacrylate

Concen: 21.310 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN052742.D

Acq: 10 Dec 2018 9:50

Instrument :

MSVOA_N

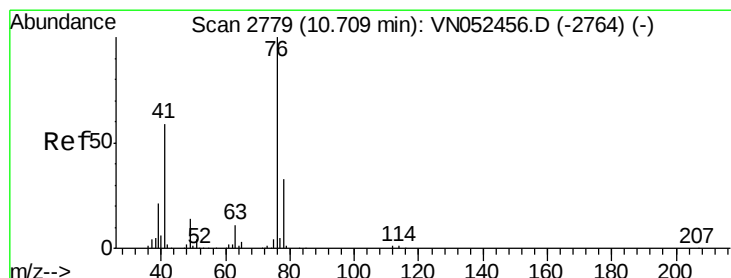
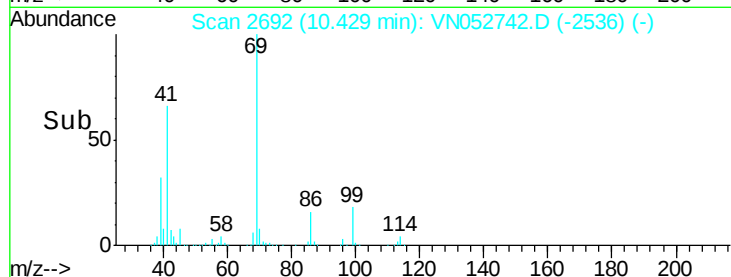
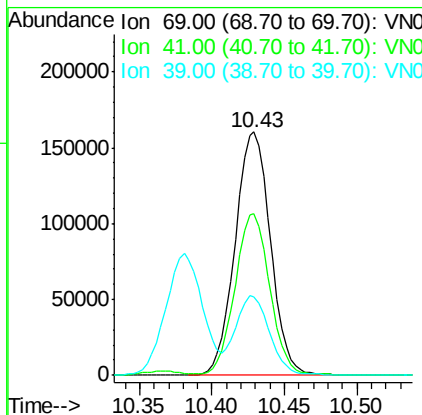
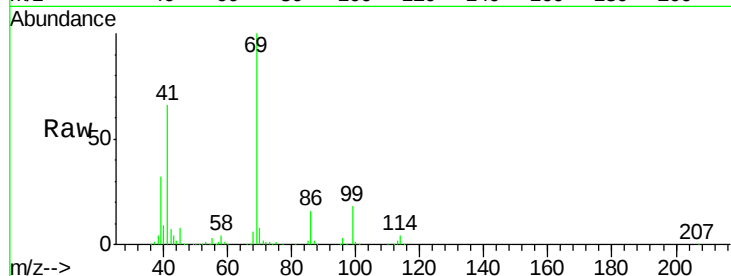
ClientSampleId :

VSTDCCC020

Tot Ion:	69	Resp:	272552
Ion	Ratio	Lower	Upper
69	100		
41	65.9	34.4	103.3
39	32.1	16.4	49.2

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 20.274 ug/l

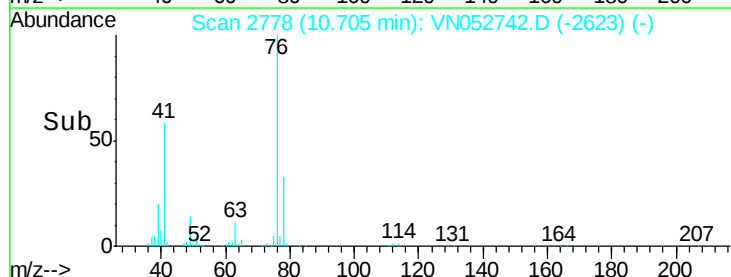
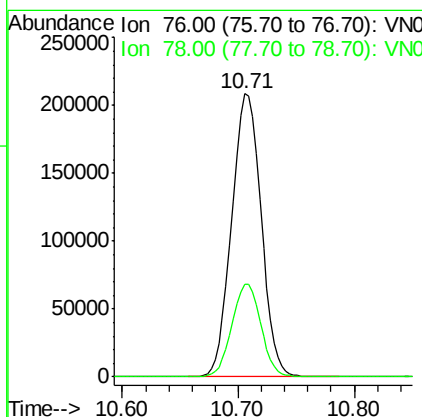
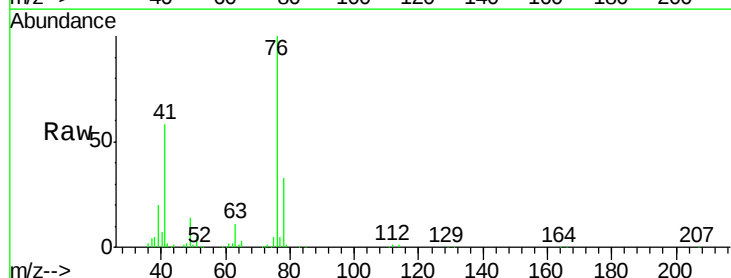
RT: 10.71 min Scan# 2778

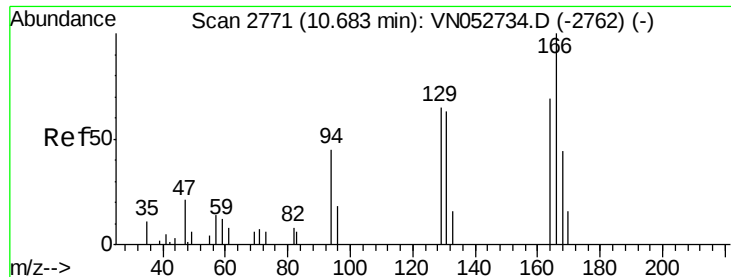
Delta R.T. -0.00 min

Lab File: VN052742.D

Acq: 10 Dec 2018 9:50

Tgt Ion:	76	Resp:	367490
Ion	Ratio	Lower	Upper
76	100		
78	32.2	0.0	64.8





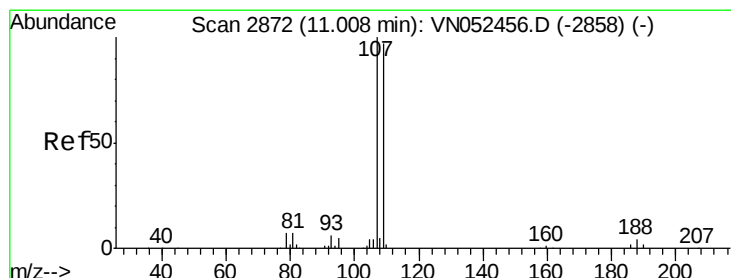
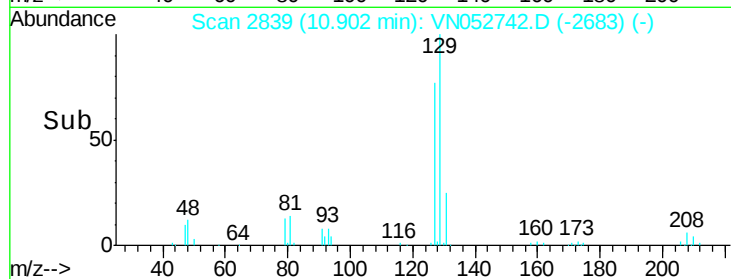
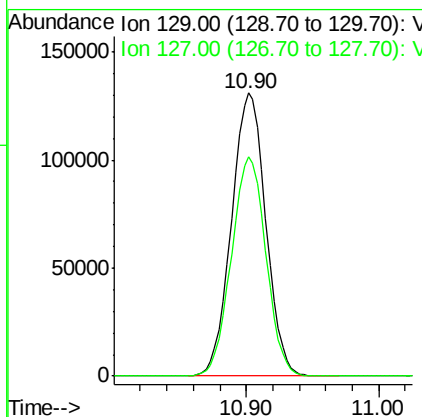
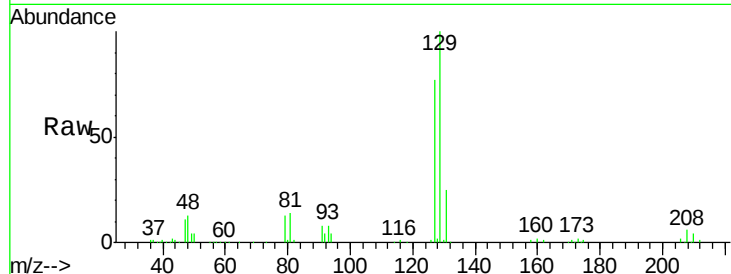
#53
Dibromochloromethane
Concen: 20.979 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN052742.D
Acq: 10 Dec 2018 9:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
129	100		
127	78.0	37.6	112.8

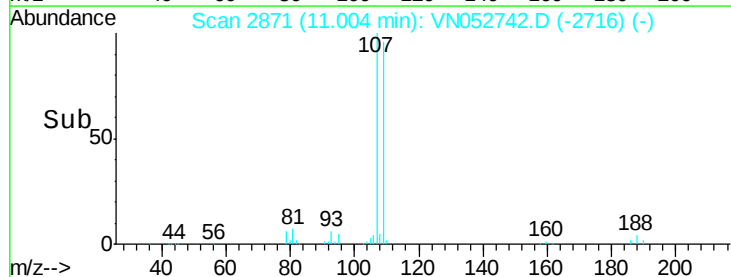
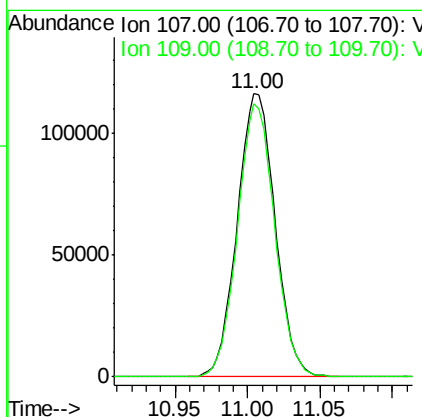
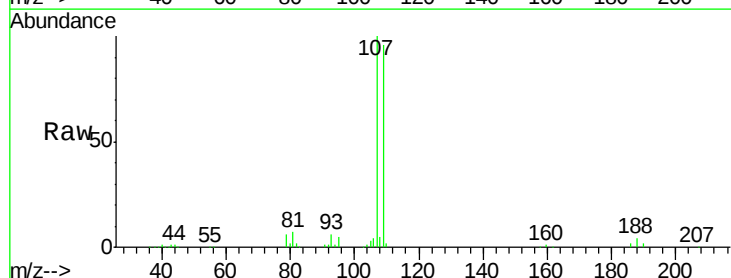
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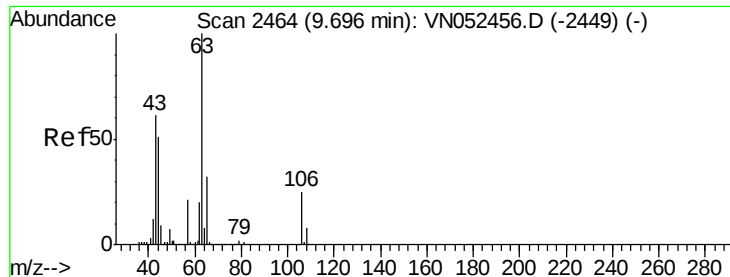
MMDadoda
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#54
1,2-Dibromoethane
Concen: 21.216 ug/l
RT: 11.00 min Scan# 2871
Delta R.T. -0.00 min
Lab File: VN052742.D
Acq: 10 Dec 2018 9:50

Tgt Ion	Ratio	Lower	Upper
107	100		
109	95.0	77.1	115.7





#55

2-Chloroethyl vinyl ether

Concen: 110.297 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. -0.00 min

Lab File: VN052742.D

Acq: 10 Dec 2018 9:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 63 Resp: 825762

Ion Ratio Lower Upper

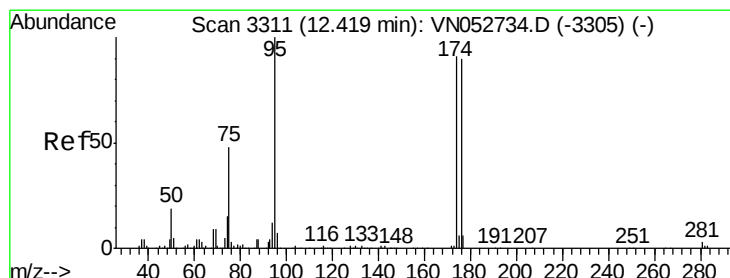
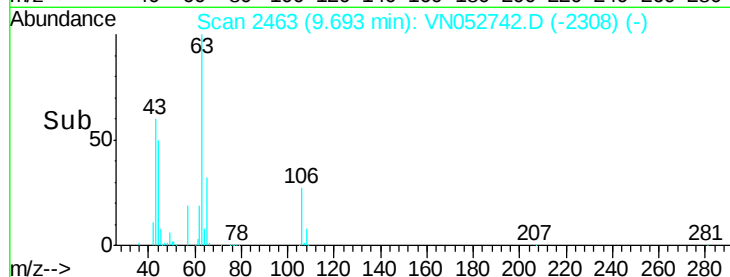
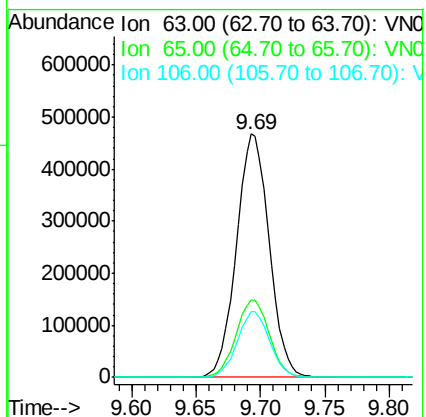
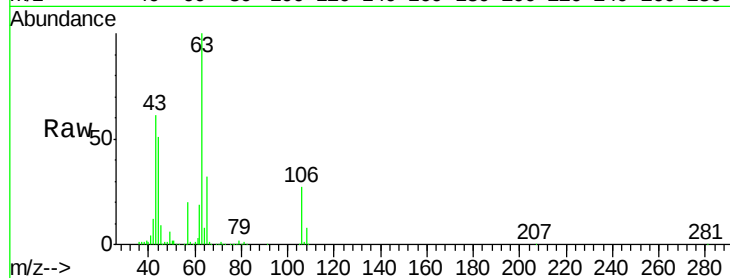
63 100

65 32.4 25.4 38.2

106 26.7 20.4 30.6

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#56

Bromoform

Concen: 21.689 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN052742.D

Acq: 10 Dec 2018 9:50

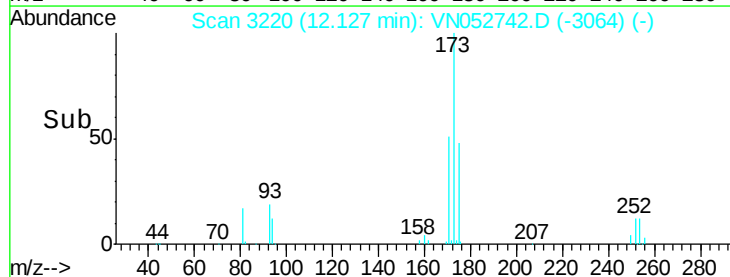
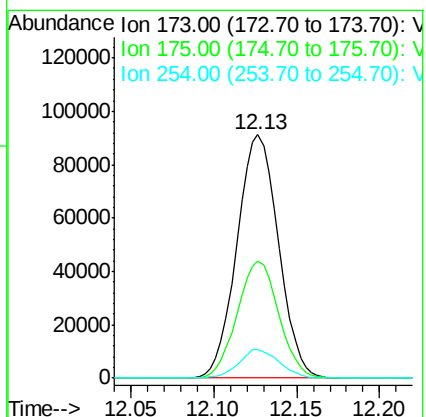
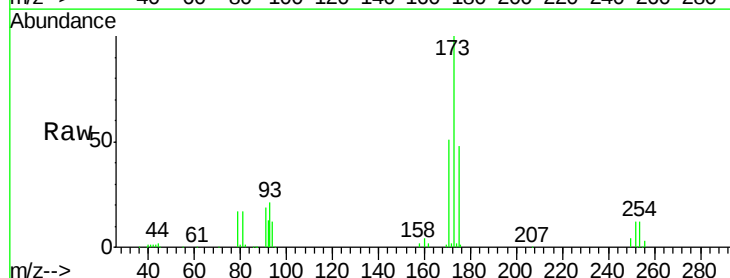
Tgt Ion: 173 Resp: 158944

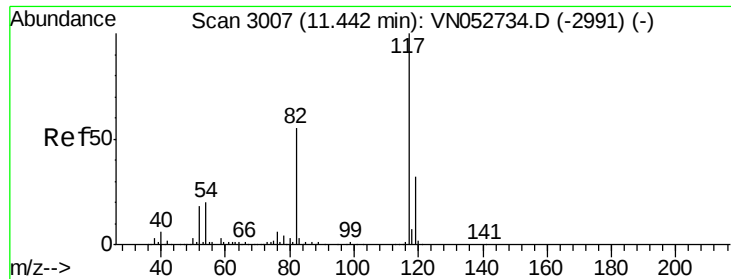
Ion Ratio Lower Upper

173 100

175 48.1 38.7 58.1

254 11.5 8.4 12.6





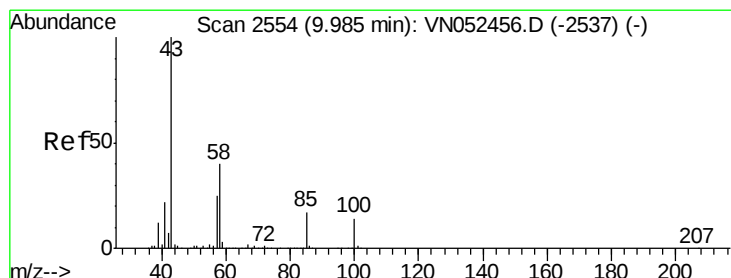
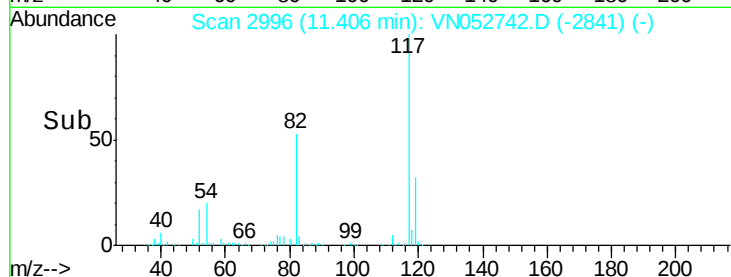
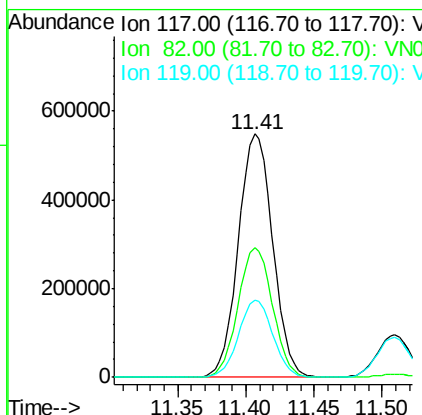
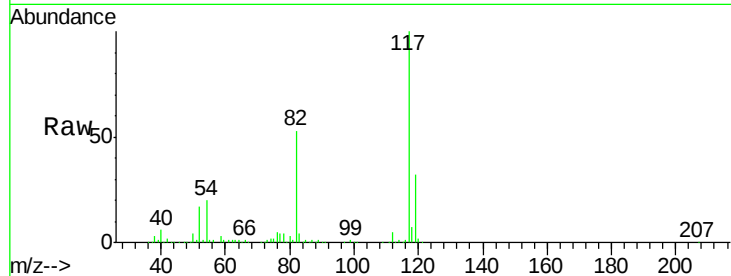
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052742.D
Acq: 10 Dec 2018 9:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Resp Lower	Resp Upper
117	100		
82	53.5	44.2	66.2
119	31.6	25.4	38.2

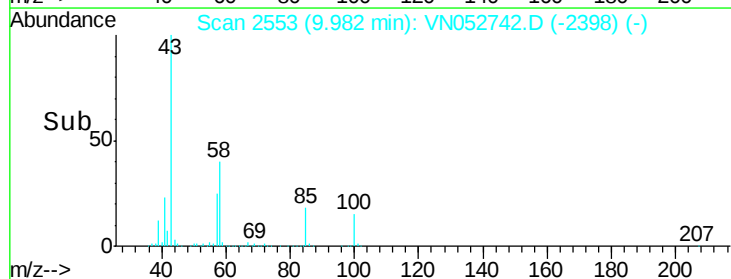
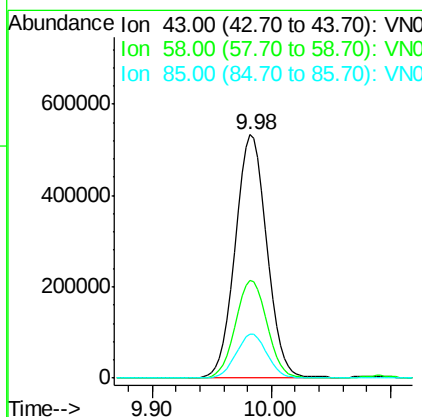
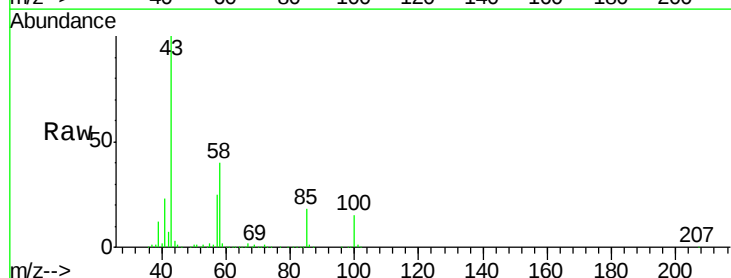
Manual Integrations
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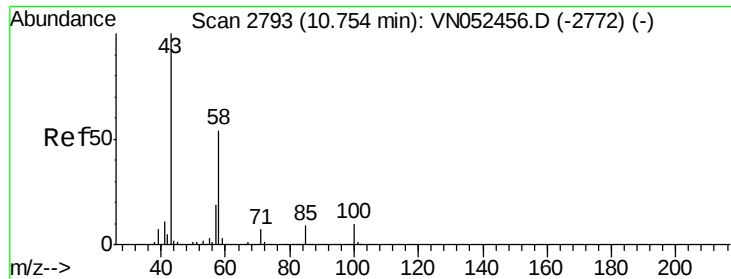
MMDadoda
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#58
4-Methyl-2-Pentanone
Concen: 105.188 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. -0.00 min
Lab File: VN052742.D
Acq: 10 Dec 2018 9:50

Tgt Ion	Ratio	Resp Lower	Resp Upper
43	100		
58	40.2	31.6	47.4
85	18.0	13.3	19.9





#59

2-Hexanone

Concen: 111.992 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. -0.00 min

Lab File: VN052742.D

Acq: 10 Dec 2018 9:50

Instrument :

MSVOA_N

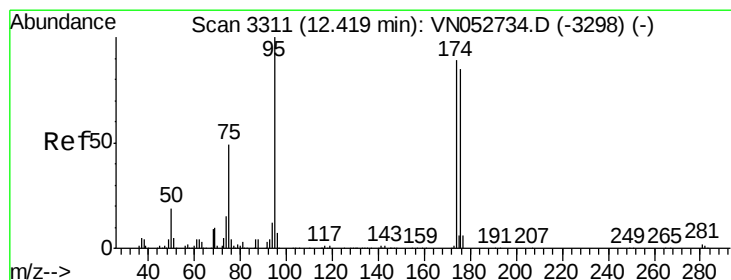
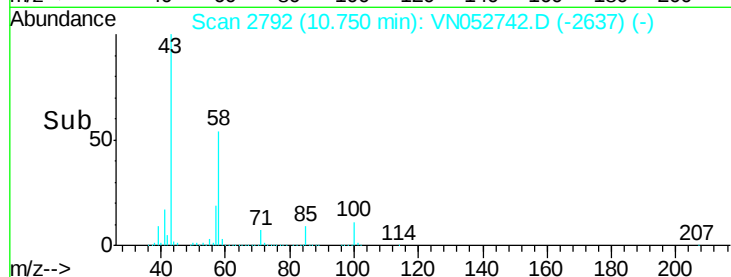
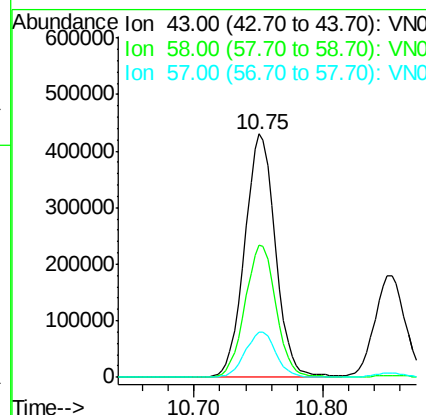
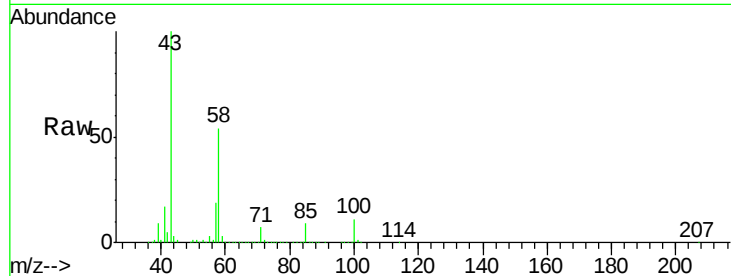
ClientSampleId :

VSTDCCC020

Tot Ion:	43	Resp:	712507
Ion Ratio	Lower	Upper	
43	100		
58	55.0	43.2	64.8
57	18.8	14.9	22.3

Manual Integrations
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#60

4-Bromofluorobenzene

Concen: 111.992 ug/l

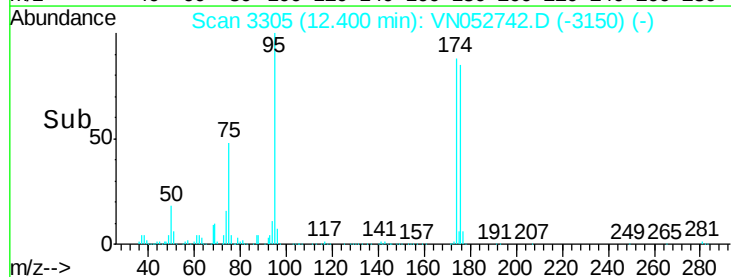
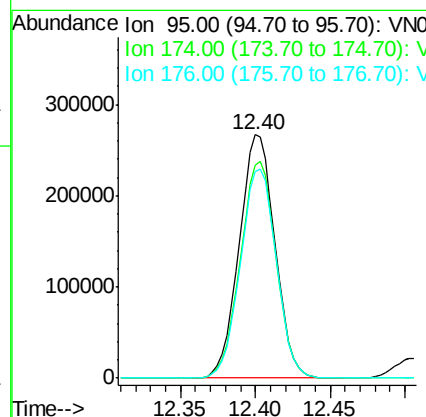
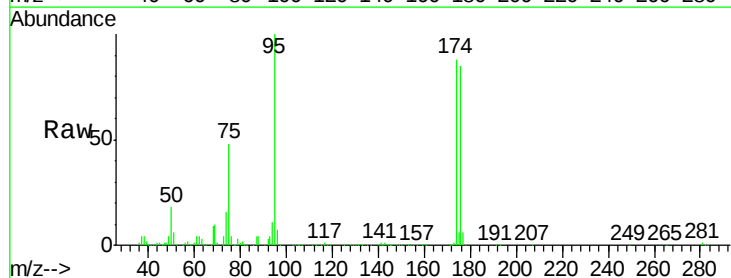
RT: 12.40 min Scan# 3305

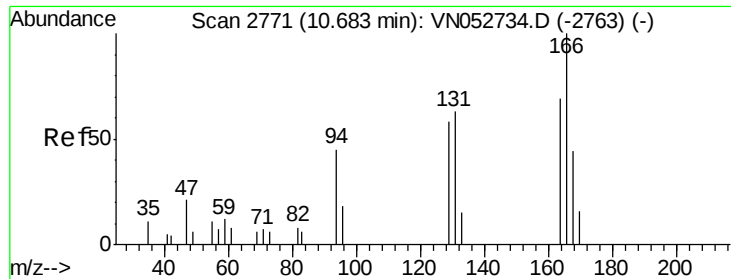
Delta R.T. -0.00 min

Lab File: VN052742.D

Acq: 10 Dec 2018 9:50

Tgt Ion:	95	Resp:	443245
Ion Ratio	Lower	Upper	
95	100		
174	88.8	67.9	101.9
176	86.6	66.4	99.6





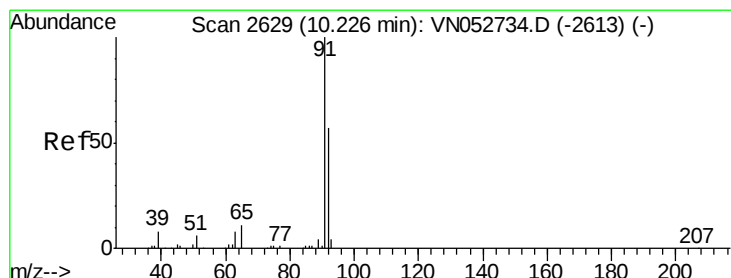
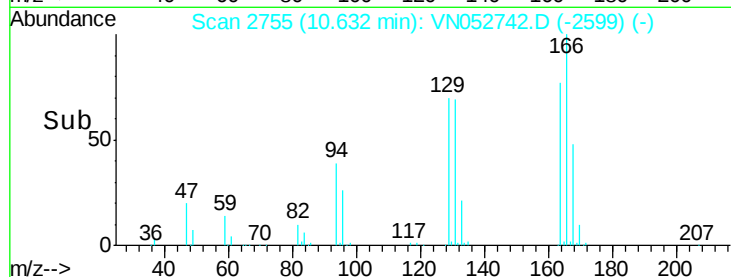
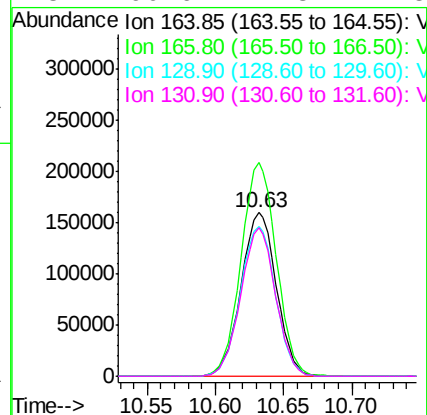
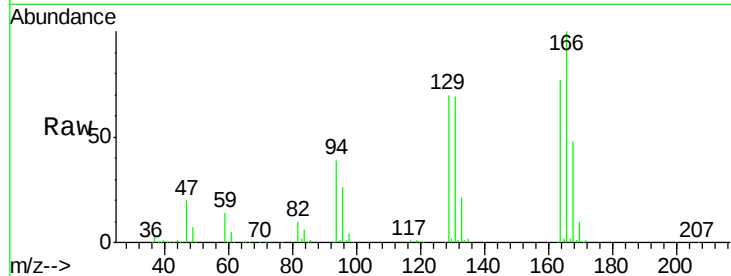
#61
Tetrachloroethene
Concen: 24.243 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN052742.D
Acq: 10 Dec 2018 9:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
164	100		
166	130.5	104.6	157.0
129	91.5	75.3	112.9
131	90.6	74.3	111.5

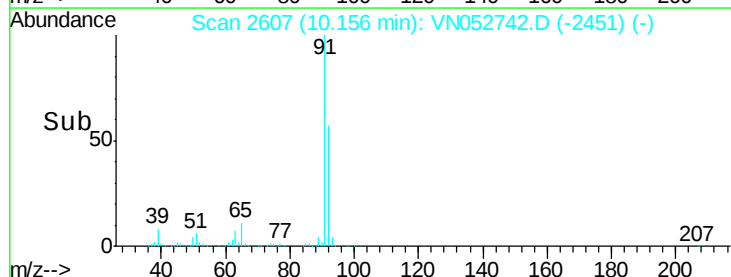
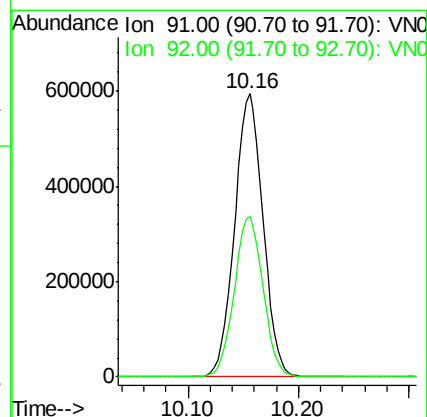
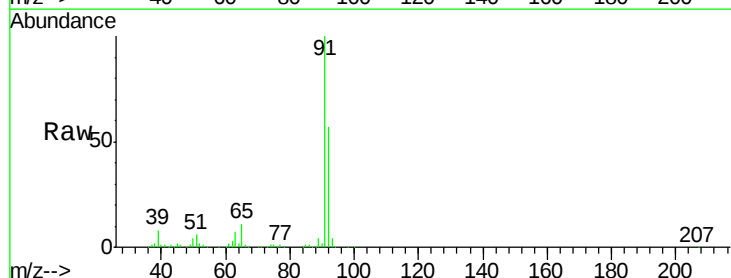
Manual Integrations
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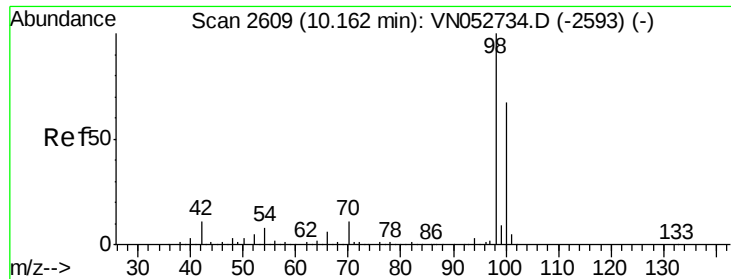
MMDadoda
12/11/2018 12:45:34 PM



#62
Toluene
Concen: 20.003 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN052742.D
Acq: 10 Dec 2018 9:50

Tgt Ion	Ratio	Lower	Upper
91	100		
92	57.3	45.4	68.2





#63

Toluene-d8

Concen: 20.003 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052742.D

Acq: 10 Dec 2018 9:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 98 Resp: 1295340

Ion Ratio Lower Upper

98 100

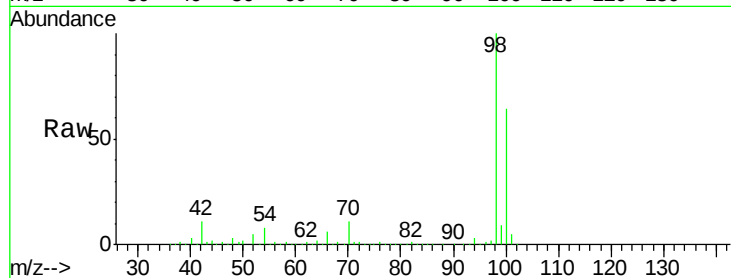
100 64.2 51.1 76.7

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Abundance Ion 98.00 (97.70 to 98.70): VN052734.D (-2593) (-)

Ion 100.00 (99.70 to 100.70): VN052734.D (-2593) (-)

10.09

800000

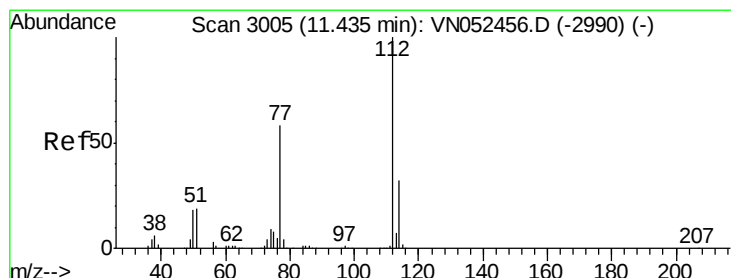
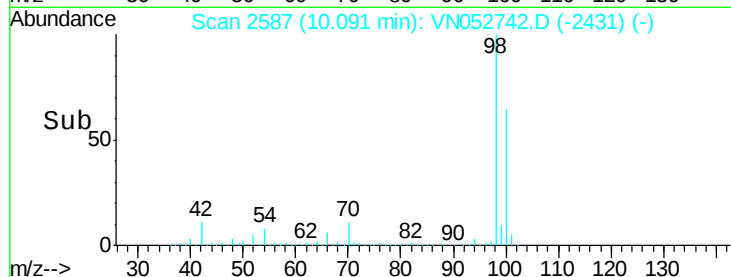
600000

400000

200000

0

Time-->



#64

Chlorobenzene

Concen: 20.497 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN052742.D

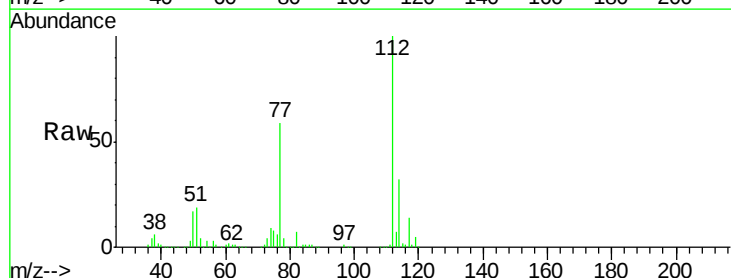
Acq: 10 Dec 2018 9:50

Tgt Ion: 112 Resp: 662547

Ion Ratio Lower Upper

112 100

114 32.2 25.6 38.4



Abundance Ion 112.00 (111.70 to 112.70): VN052456.D (-2990) (-)

Ion 114.00 (113.70 to 114.70): VN052456.D (-2990) (-)

11.43

400000

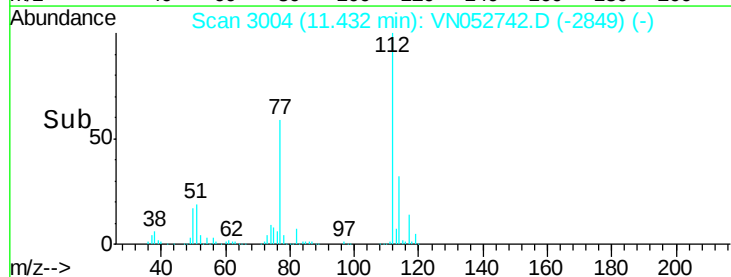
300000

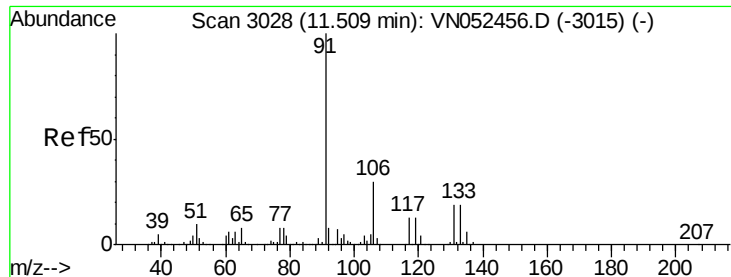
200000

100000

0

Time-->





#65

1,1,1,2-Tetrachloroethane

Concen: 21.147 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN052742.D

Acq: 10 Dec 2018 9:50

Instrument :

MSVOA_N

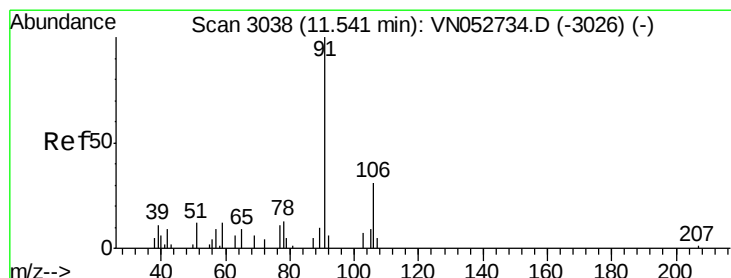
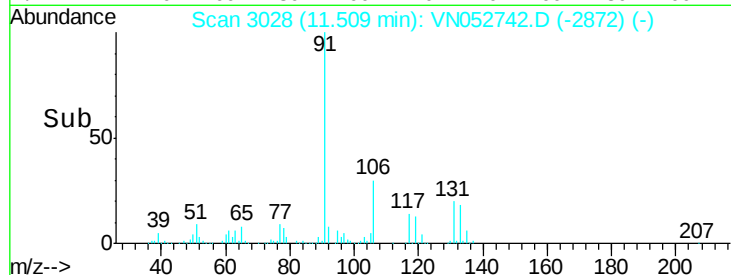
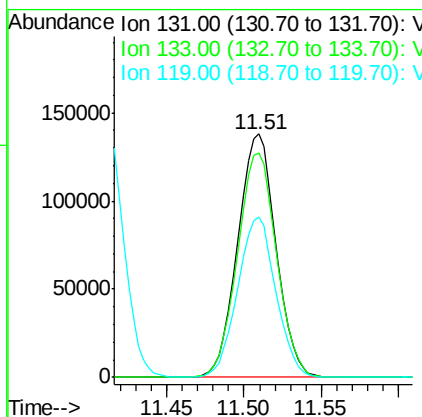
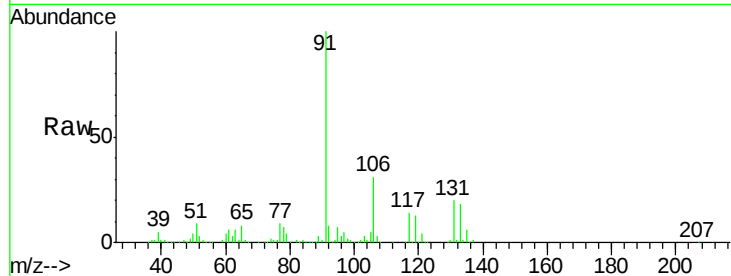
ClientSampleId :

VSTDCCC020

Tot Ion:	131	Resp:	237270
Ion Ratio	Lower	Upper	
131	100		
133	94.1	0.0	193.4
119	65.6	0.0	133.0

Manual Integrations
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#66

Ethyl Benzene

Concen: 20.205 ug/l

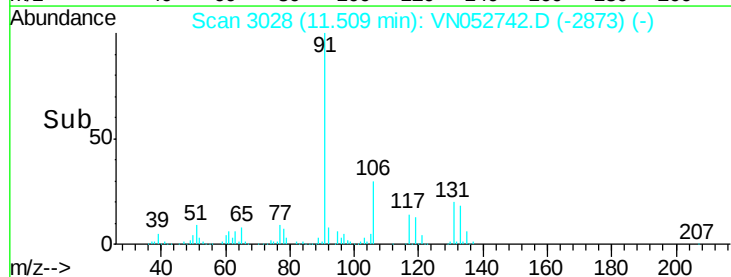
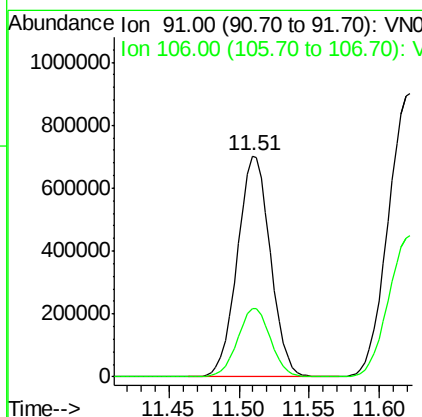
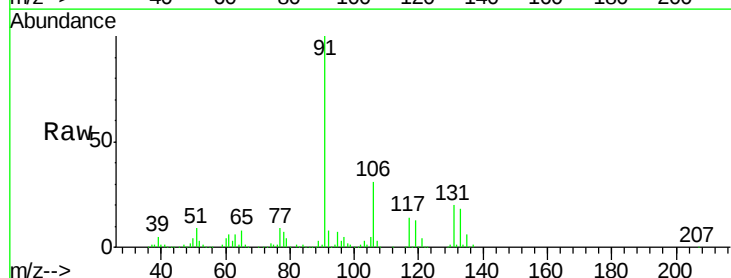
RT: 11.51 min Scan# 3028

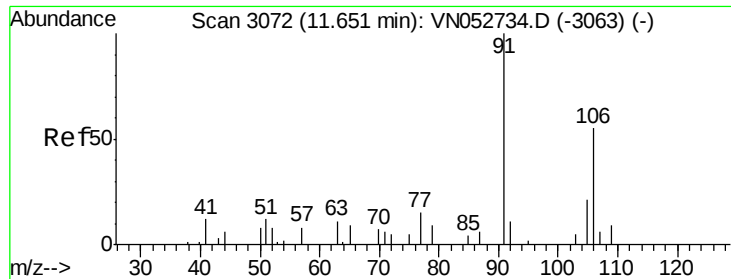
Delta R.T. -0.00 min

Lab File: VN052742.D

Acq: 10 Dec 2018 9:50

Tgt Ion:	91	Resp:	1153237
Ion Ratio	Lower	Upper	
91	100		
106	30.9	24.3	36.5





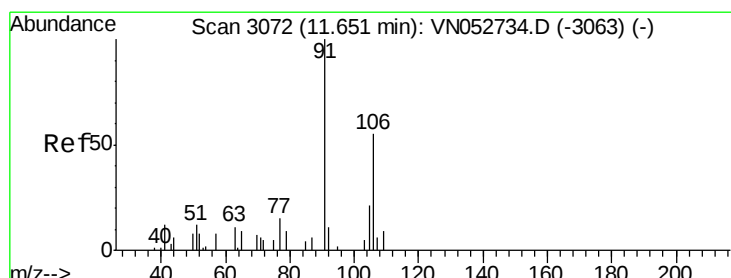
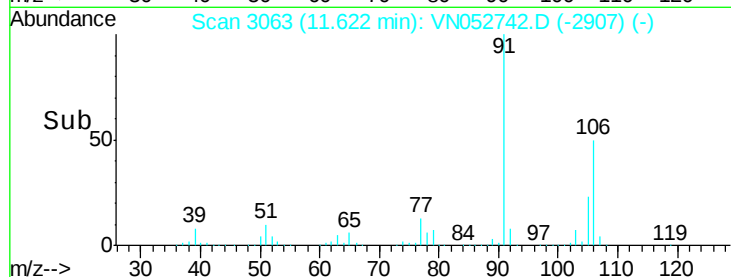
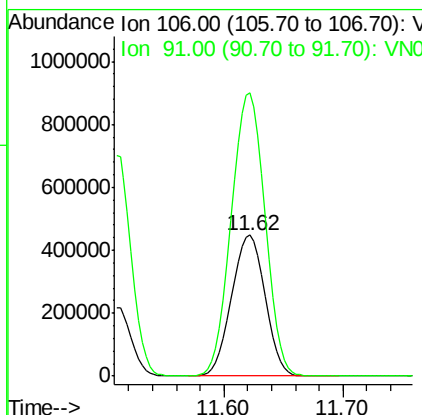
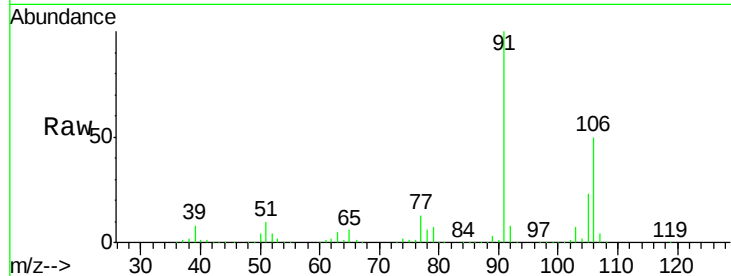
#67
m/p-Xylenes
Concen: 41.213 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN052742.D
Acq: 10 Dec 2018 9:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion:106 Resp: 876372
Ion Ratio Lower Upper
106 100
91 201.7 163.9 245.9

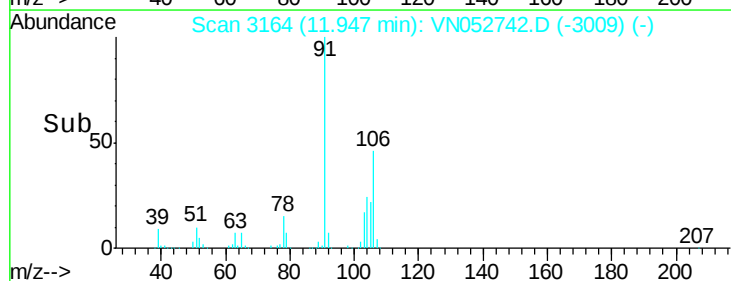
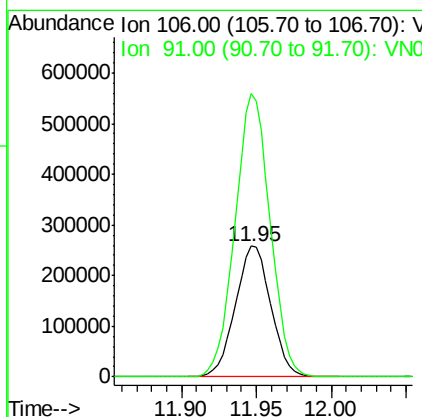
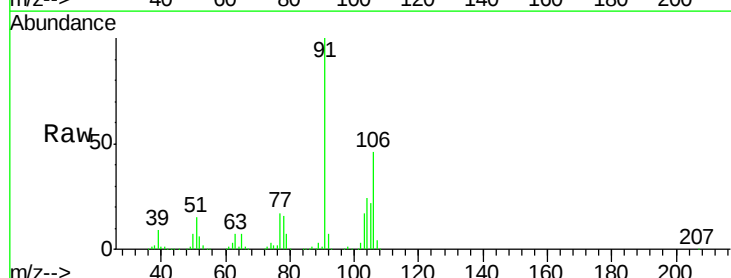
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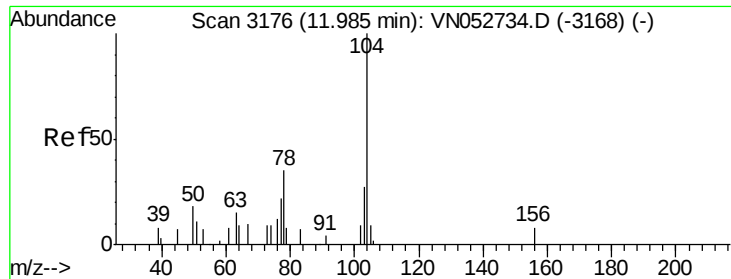
MMDadoda
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#68
o-Xylene
Concen: 20.619 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN052742.D
Acq: 10 Dec 2018 9:50

Tgt Ion:106 Resp: 425570
Ion Ratio Lower Upper
106 100
91 213.9 107.8 323.4





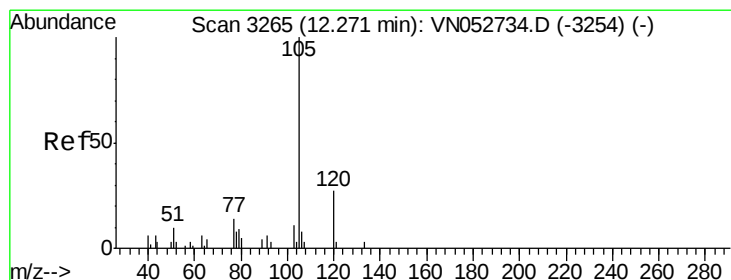
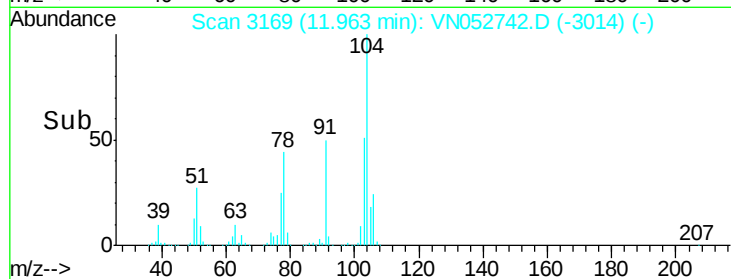
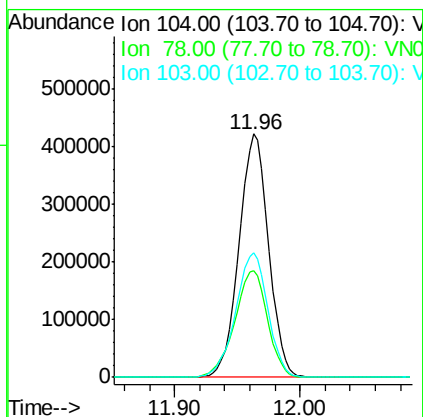
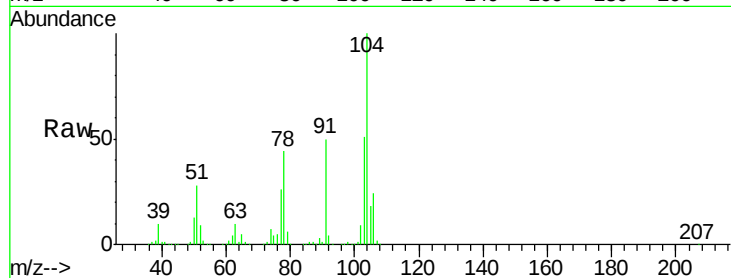
#69
Stvrene
Concen: 20.727 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN052742.D
Acq: 10 Dec 2018 9:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
104	100		
78	48.8	39.3	58.9
103	55.7	44.6	66.8

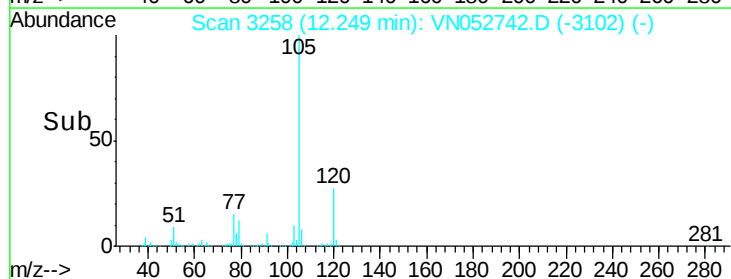
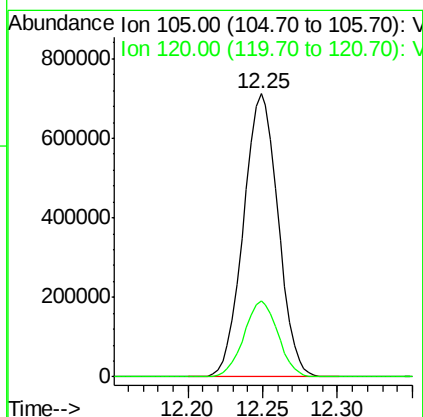
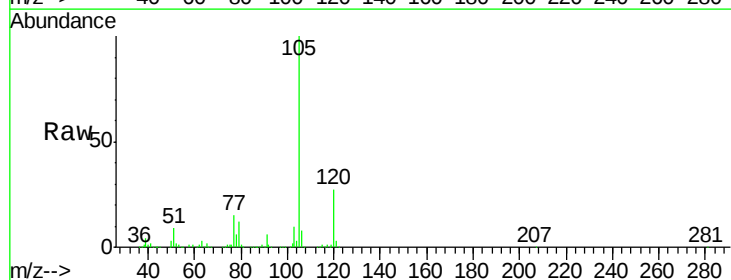
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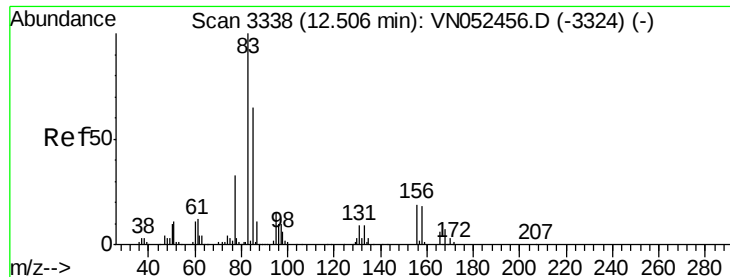
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#70
Isopropylbenzene
Concen: 20.889 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN052742.D
Acq: 10 Dec 2018 9:50

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.5	18.6	34.6





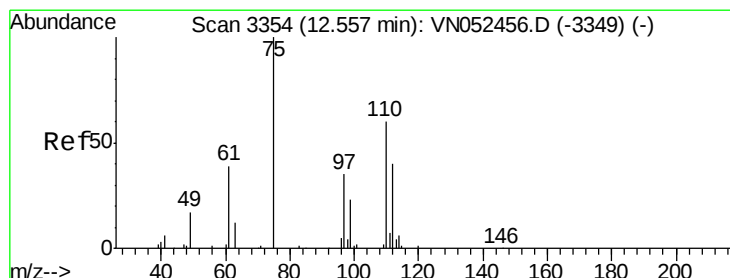
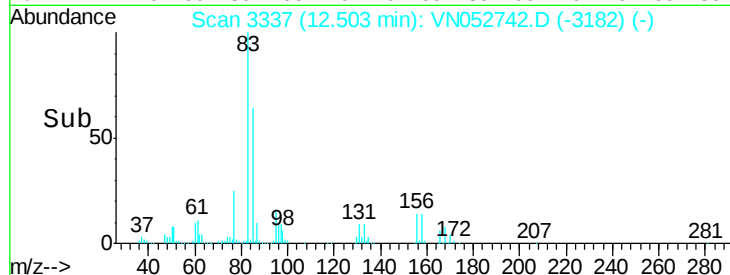
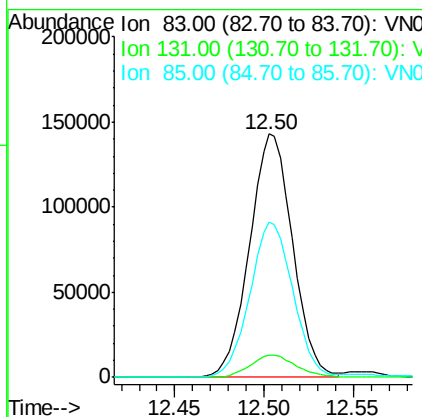
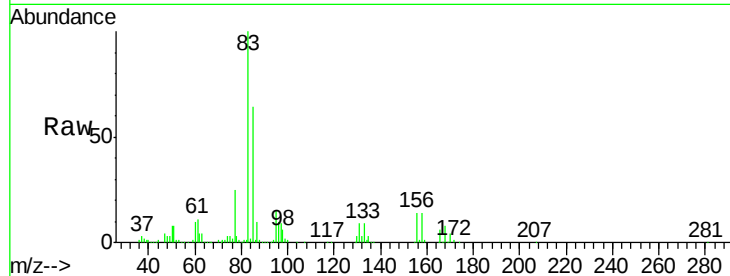
#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.213 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. -0.00 min
 Lab File: VN052742.D
 Acq: 10 Dec 2018 9:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
83	100	241460		
131	9.8	4.9	14.6	
85	63.6	32.2	96.6	

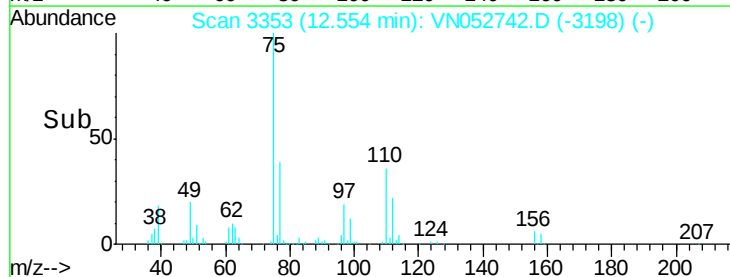
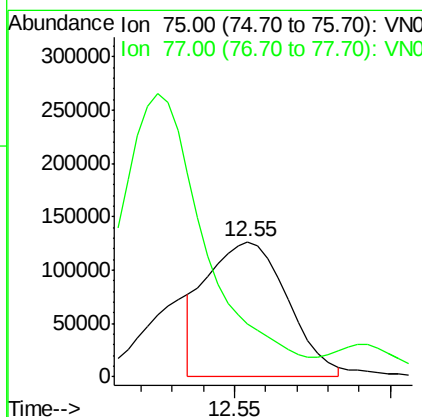
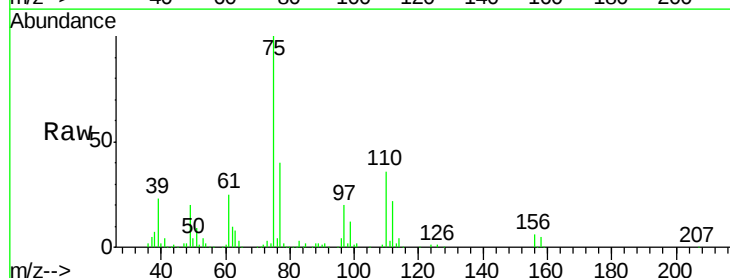
Manual Integrations
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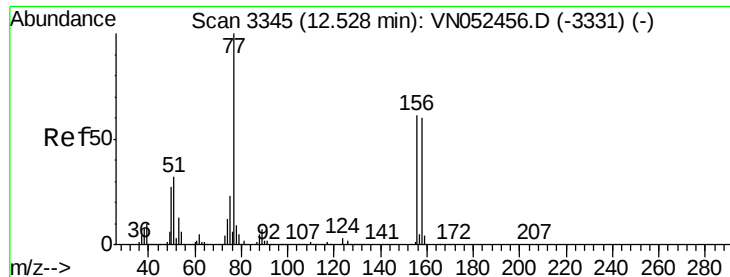
MMDadoda
 12/11/2018 12:45:34 PM



#72
 1,2,3-Trichloropropane
 Concen: 22.156 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. -0.00 min
 Lab File: VN052742.D
 Acq: 10 Dec 2018 9:50

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	227200		
77	228.2	0.0	514.8	





#73

Bromobenzene

Concen: 21.237 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN052742.D

Acq: 10 Dec 2018 9:50

Instrument :

MSVOA_N

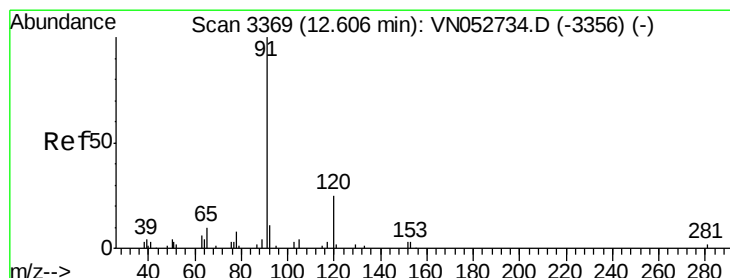
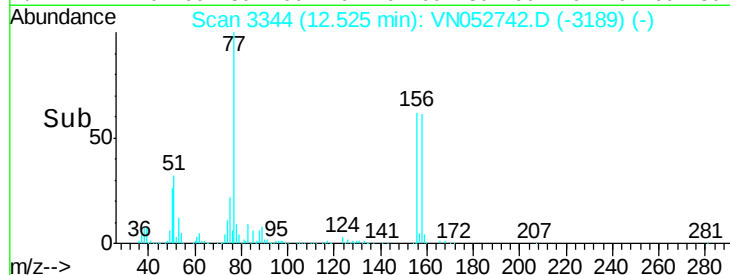
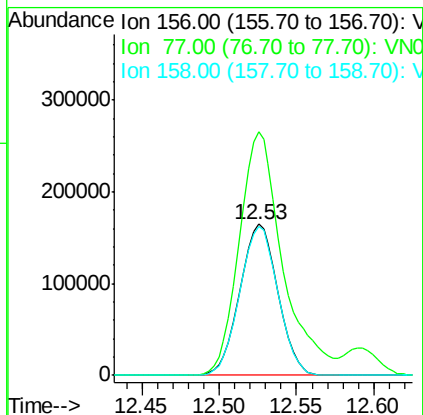
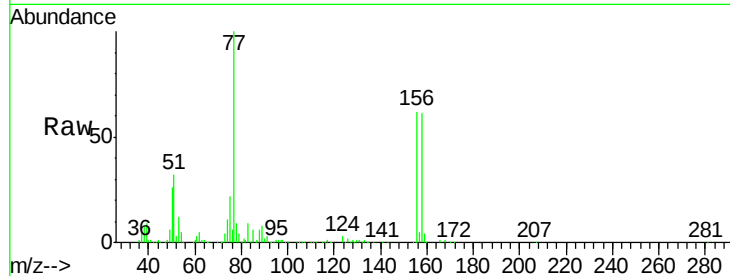
ClientSampleId :

VSTDCCC020

Tot Ion:	156	Resp:	282064
Ion Ratio	Lower	Upper	
156	100		
77	183.8	0.0	382.6
158	98.6	0.0	196.8

Manual Integrations
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#74

n-propylbenzene

Concen: 20.642 ug/l

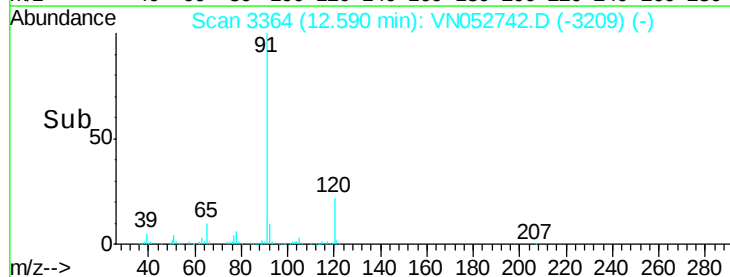
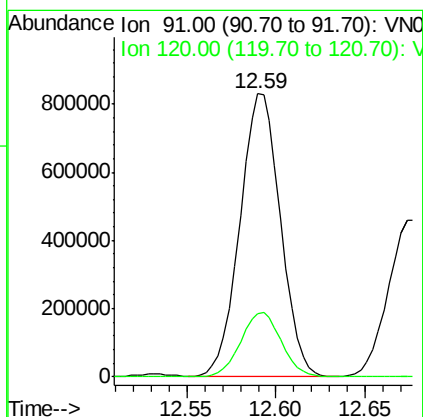
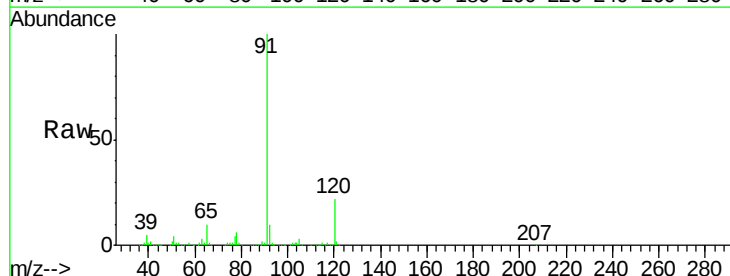
RT: 12.59 min Scan# 3364

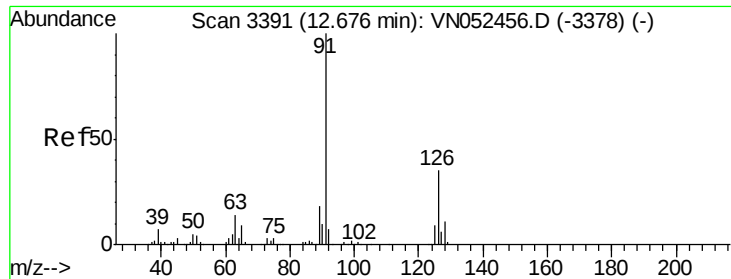
Delta R.T. -0.00 min

Lab File: VN052742.D

Acq: 10 Dec 2018 9:50

Tgt Ion:	91	Resp:	1320785
Ion Ratio	Lower	Upper	
91	100		
120	22.8	0.0	44.6





#75

2-Chlorotoluene

Concen: 20.488 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN052742.D

Acq: 10 Dec 2018 9:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 91 Resp: 760911

Ion Ratio Lower Upper

91 100

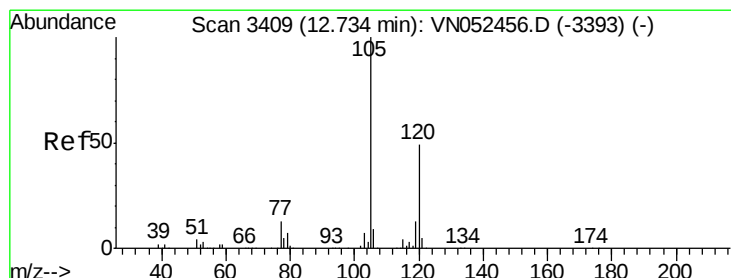
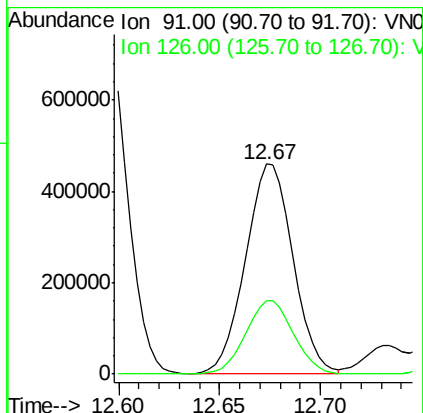
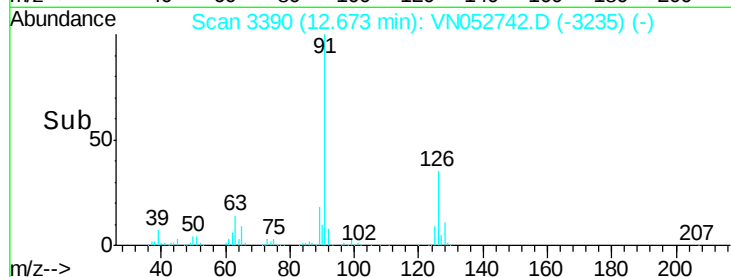
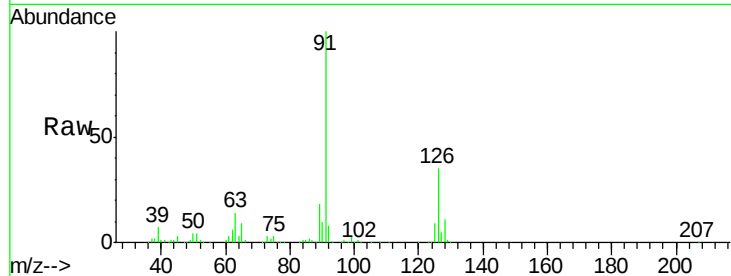
126 35.1 0.0 68.4

Manual Integrations

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#76

1,3,5-Trimethylbenzene

Concen: 21.004 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN052742.D

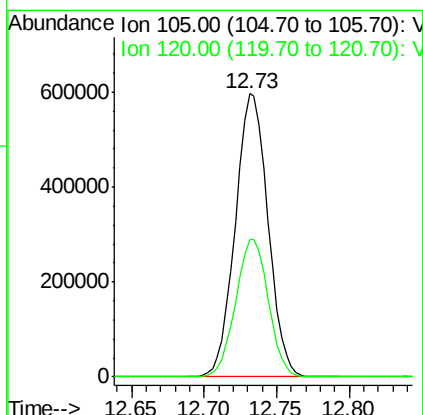
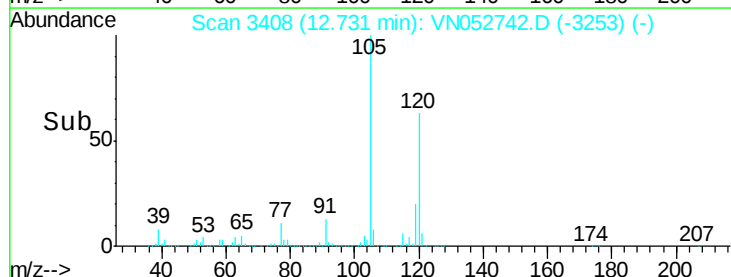
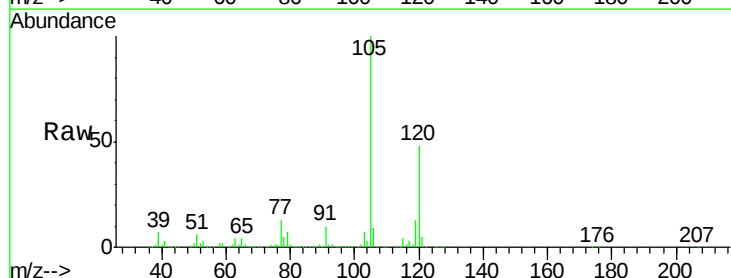
Acq: 10 Dec 2018 9:50

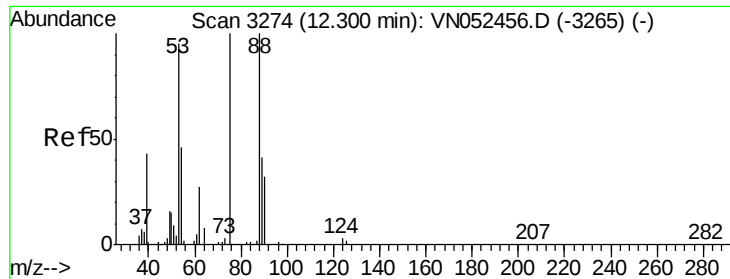
Tgt Ion: 105 Resp: 931643

Ion Ratio Lower Upper

105 100

120 48.7 0.0 97.4





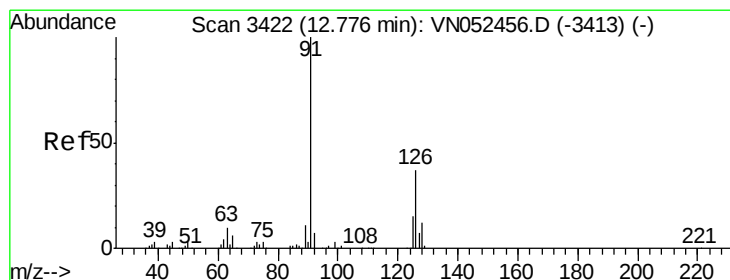
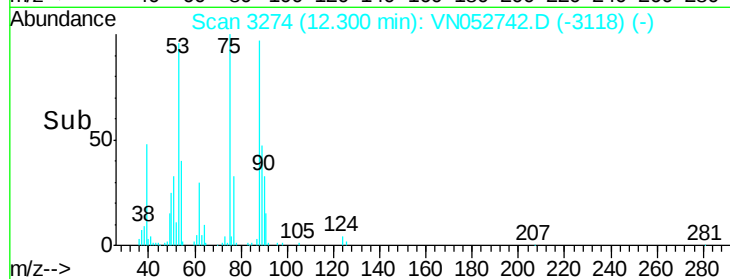
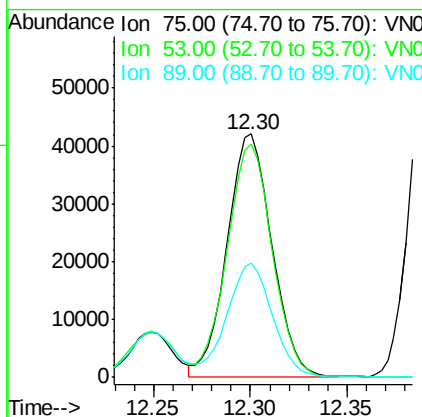
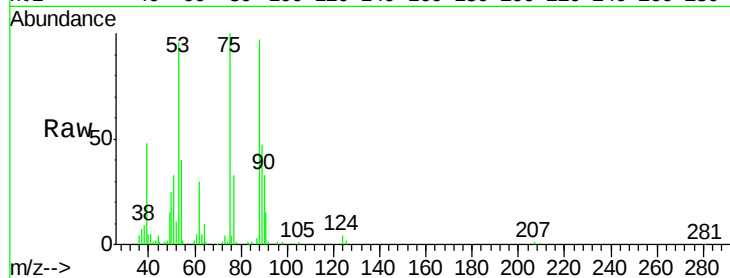
#77
t-1,4-Dichloro-2-butene
Concen: 21.033 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN052742.D
Acq: 10 Dec 2018 9:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
75	100		
53	95.9	48.5	145.6
89	47.4	21.7	65.1

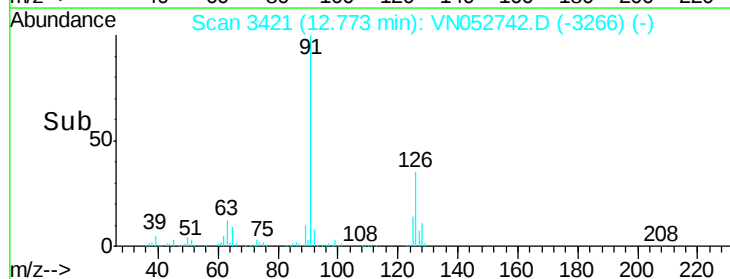
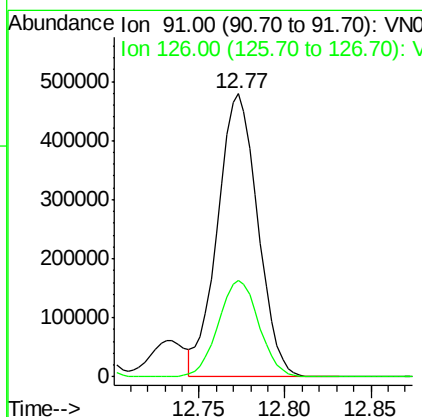
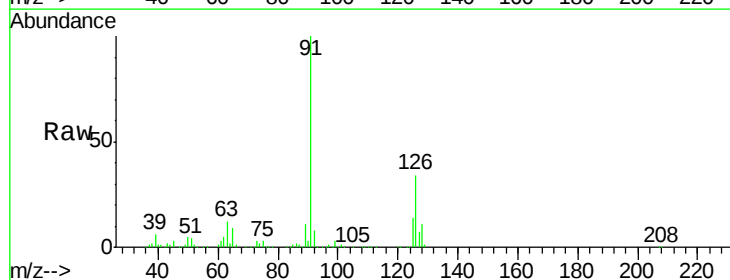
Manual Integrations
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#78
4-Chlorotoluene
Concen: 20.978 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN052742.D
Acq: 10 Dec 2018 9:50

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.4	0.0	68.2





#79

tert-butylbenzene

Concen: 21.408 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN052742.D

Acq: 10 Dec 2018 9:50

Instrument :

MSVOA_N

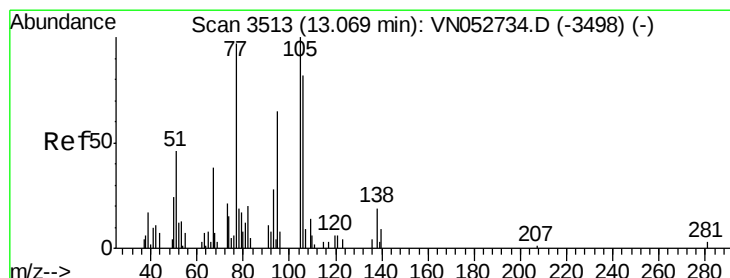
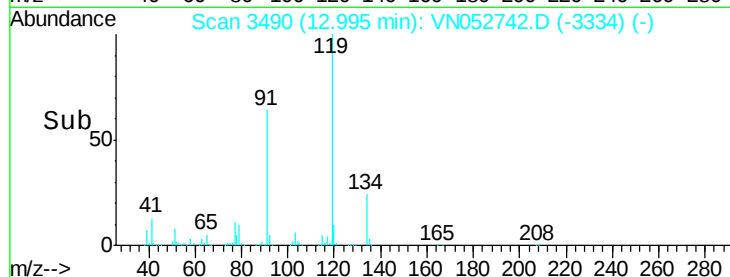
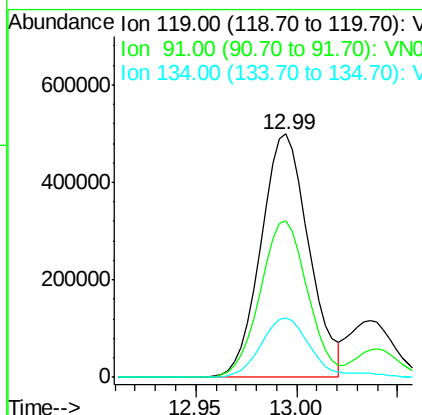
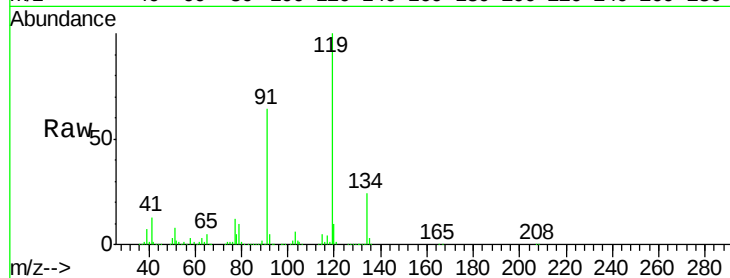
ClientSampleId :

VSTDCCC020

Tot Ion:	119	Resp:	826945
Ion Ratio	Lower	Upper	
119	100		
91	63.7	0.0	129.8
134	24.5	0.0	52.2

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#80

1,2,4-Trimethylbenzene

Concen: 21.113 ug/l

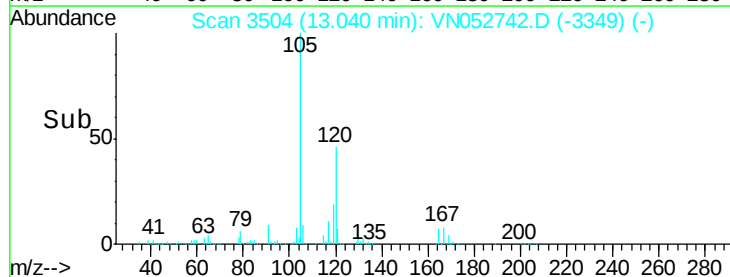
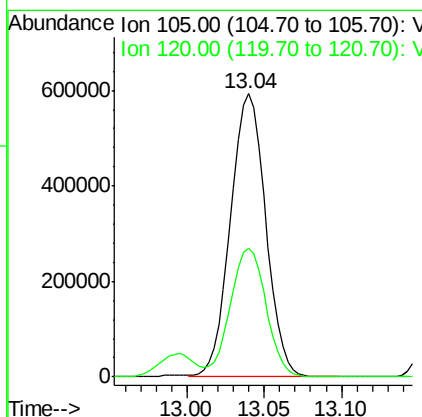
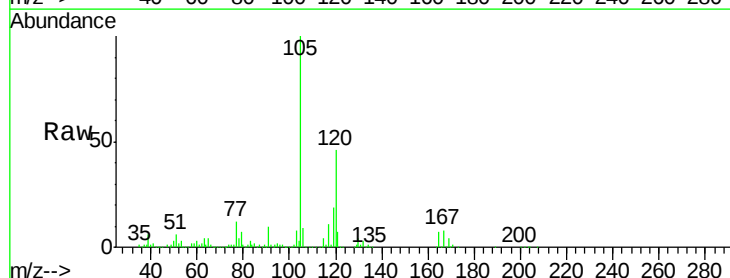
RT: 13.04 min Scan# 3504

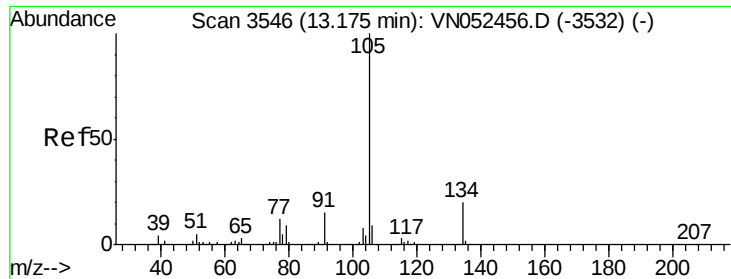
Delta R.T. -0.00 min

Lab File: VN052742.D

Acq: 10 Dec 2018 9:50

Tgt Ion:	105	Resp:	937040
Ion Ratio	Lower	Upper	
105	100		
120	46.0	0.0	91.0





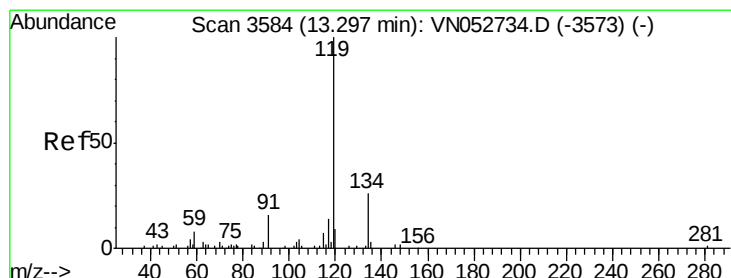
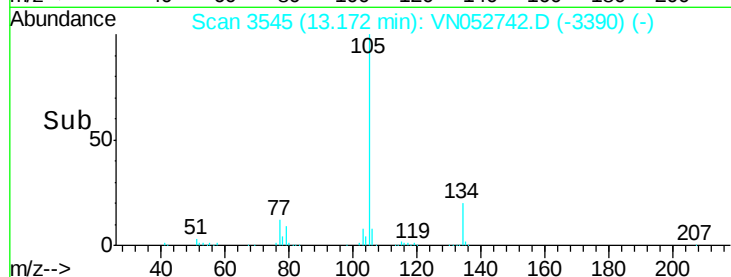
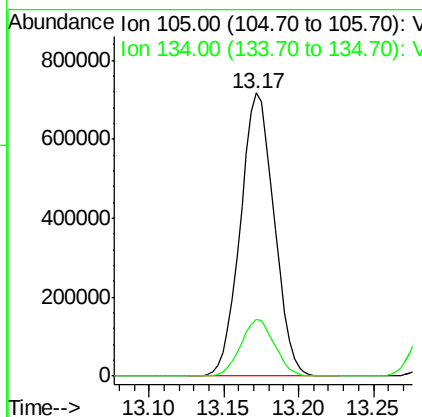
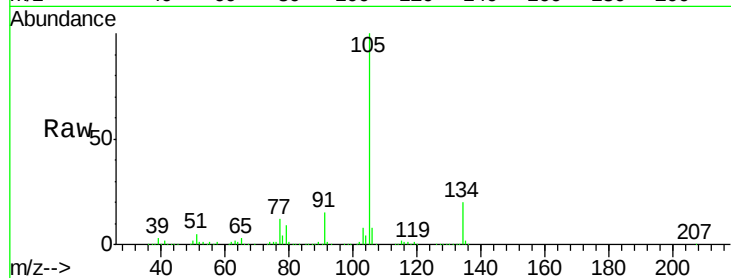
#81
 sec-Butylbenzene
 Concen: 20.986 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN052742.D
 Acq: 10 Dec 2018 9:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion:105 Resp: 1129118
 Ion Ratio Lower Upper
 105 100
 134 20.0 0.0 40.4

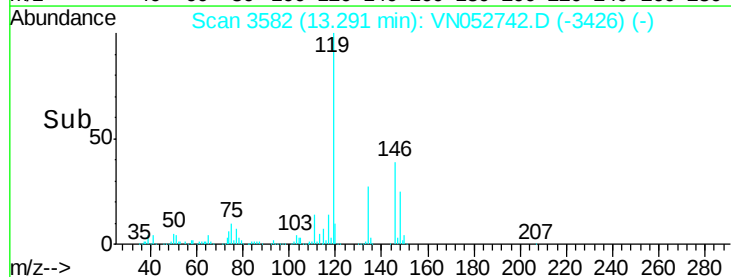
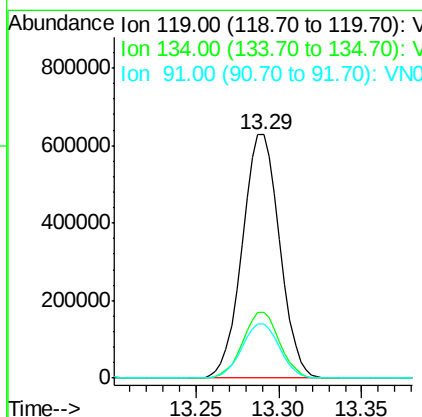
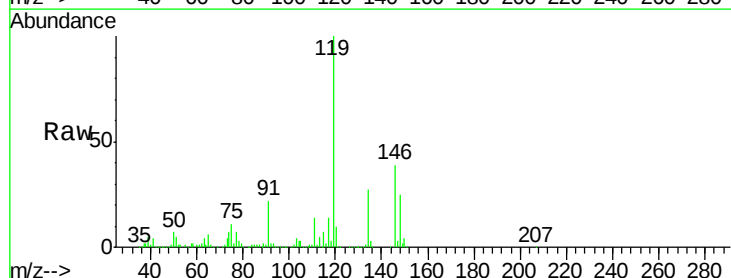
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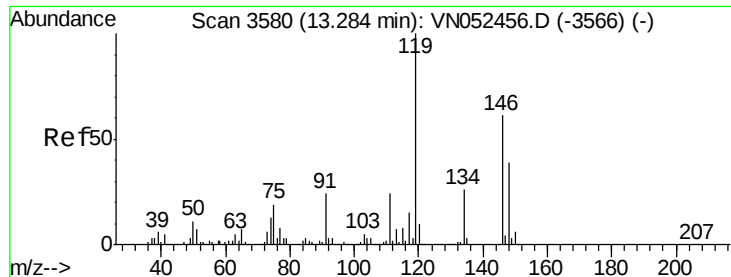
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#82
 p-Isopropyltoluene
 Concen: 21.446 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN052742.D
 Acq: 10 Dec 2018 9:50

Tgt Ion:119 Resp: 982556
 Ion Ratio Lower Upper
 119 100
 134 26.7 0.0 52.6
 91 22.4 0.0 46.2





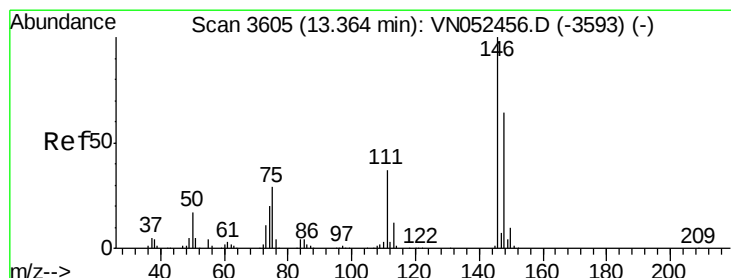
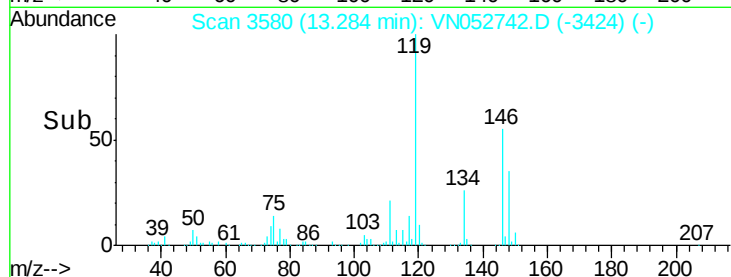
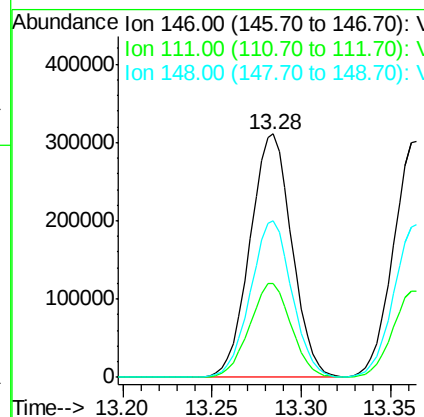
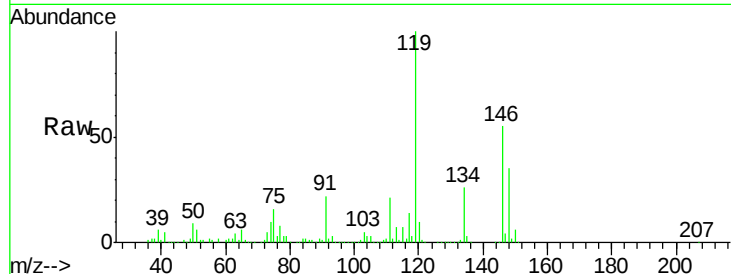
#83
 1,3-Dichlorobenzene
 Concen: 21.787 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN052742.D
 Acq: 10 Dec 2018 9:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
146	100	508914		
111	38.4	19.7	59.0	
148	63.5	32.3	96.8	

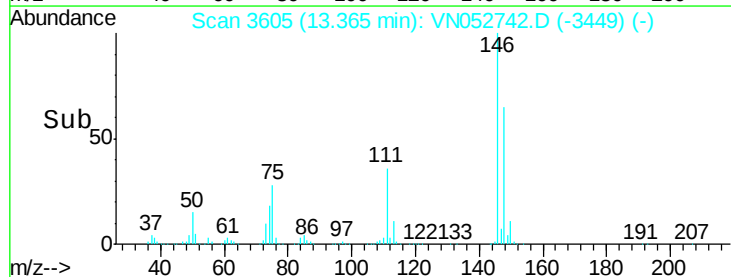
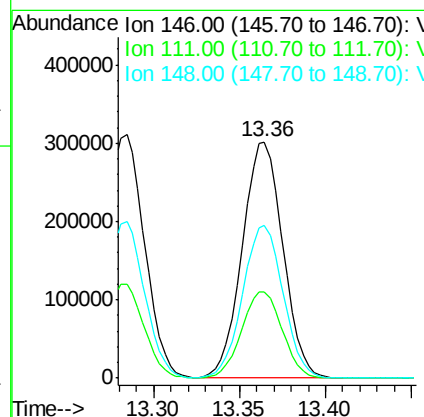
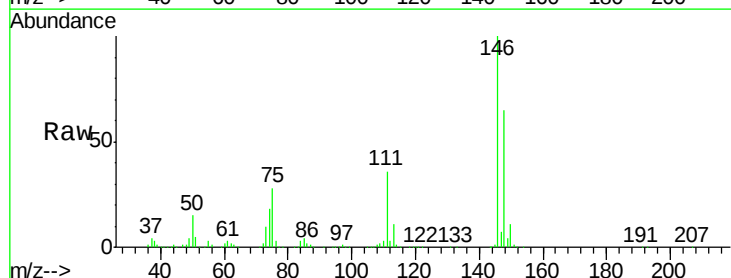
Manual Integrations
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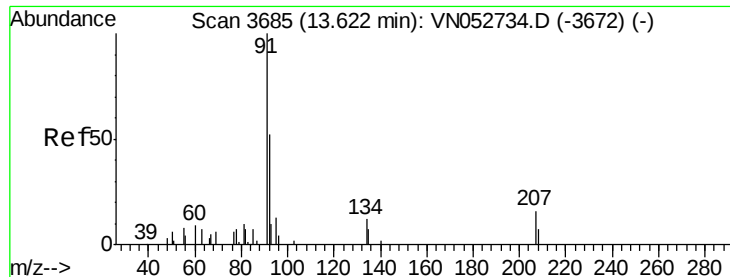
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#84
 1,4-Dichlorobenzene
 Concen: 21.994 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN052742.D
 Acq: 10 Dec 2018 9:50

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	496372		
111	36.4	18.8	56.3	
148	64.3	32.5	97.4	





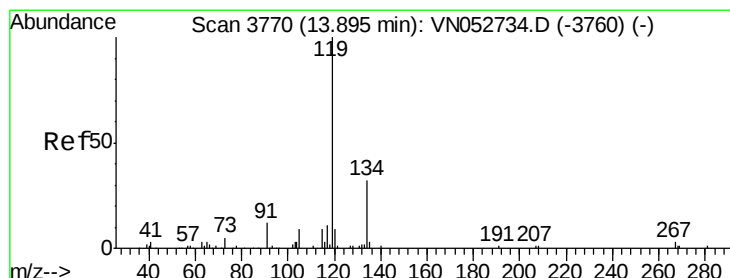
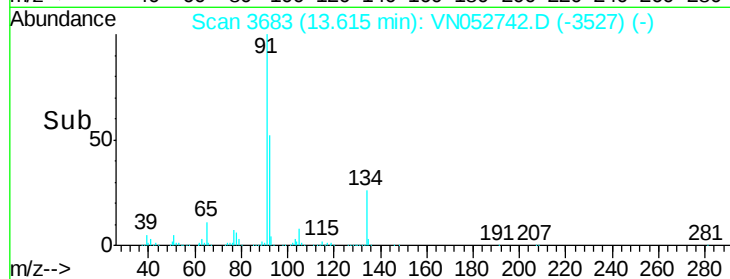
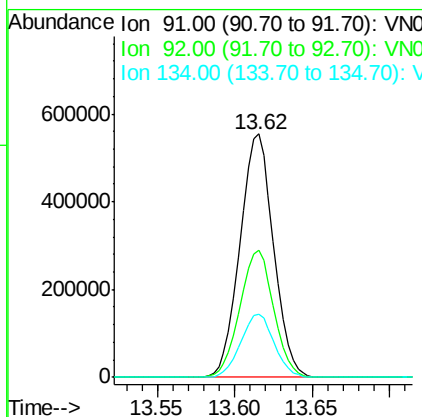
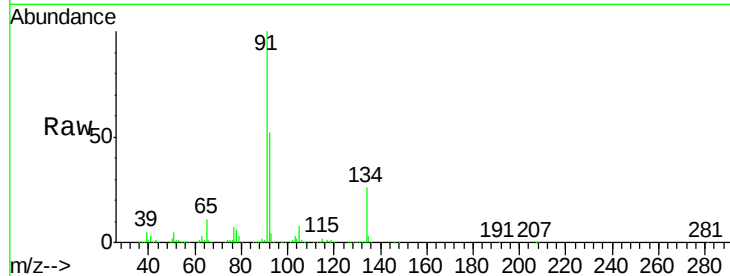
#85
n-Butylbenzene
Concen: 21.259 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN052742.D
Acq: 10 Dec 2018 9:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.4	0.0	104.2
134	25.8	0.0	50.6

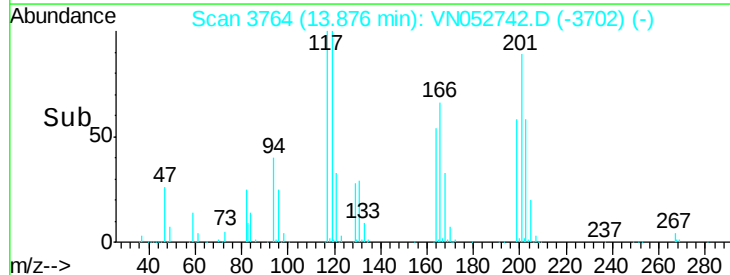
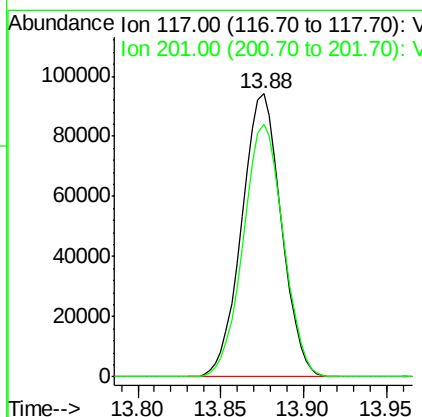
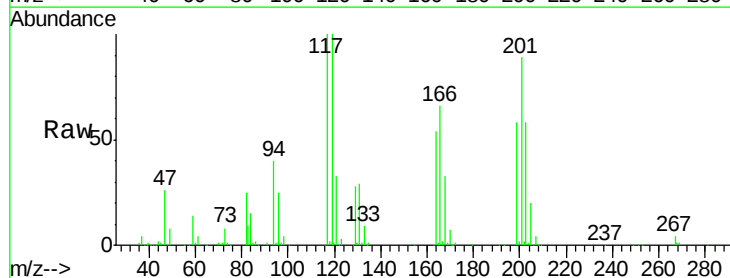
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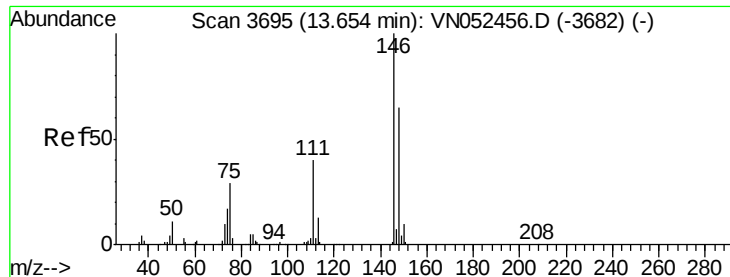
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#86
Hexachloroethane
Concen: 20.178 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN052742.D
Acq: 10 Dec 2018 9:50

Tgt Ion	Ratio	Lower	Upper
117	100		
201	90.2	43.8	131.3





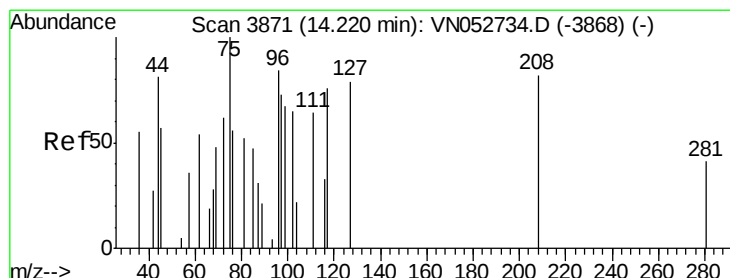
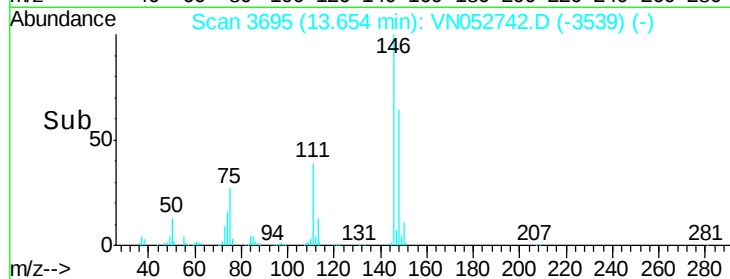
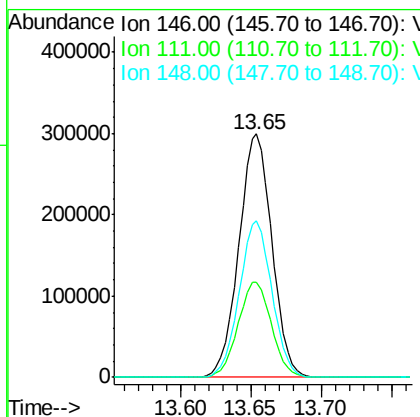
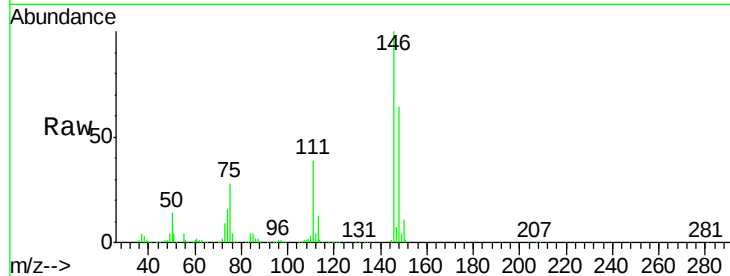
#87
 1,2-Dichlorobenzene
 Concen: 22.117 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN052742.D
 Acq: 10 Dec 2018 9:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	20.3	60.8
148	63.6	32.1	96.5

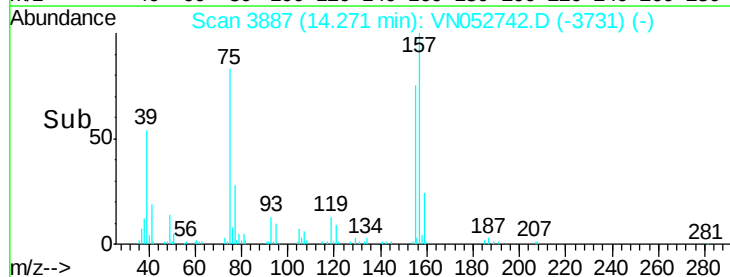
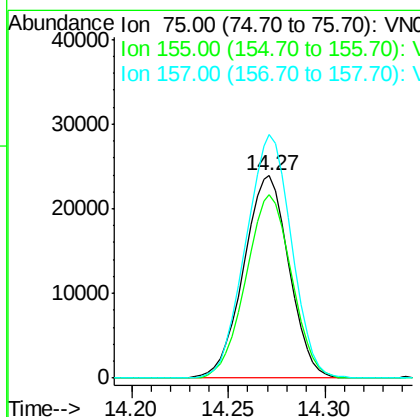
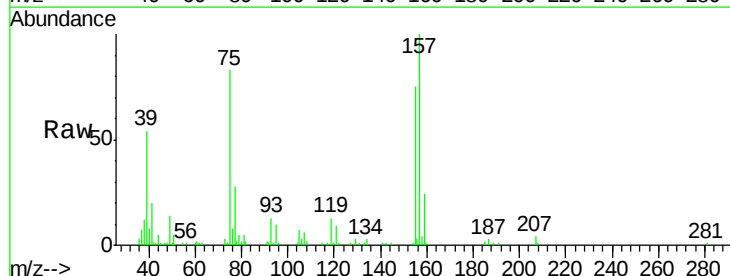
Manual Integrations
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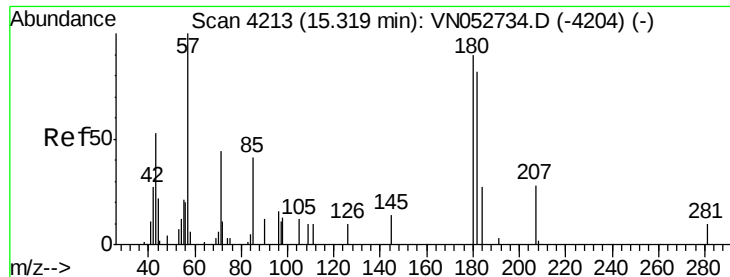
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 23.306 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN052742.D
 Acq: 10 Dec 2018 9:50

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.3	72.2	108.2
157	121.1	94.2	141.2





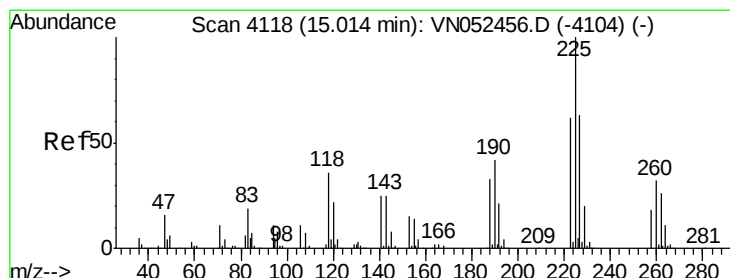
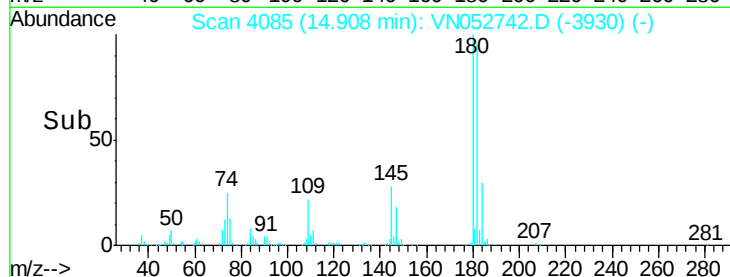
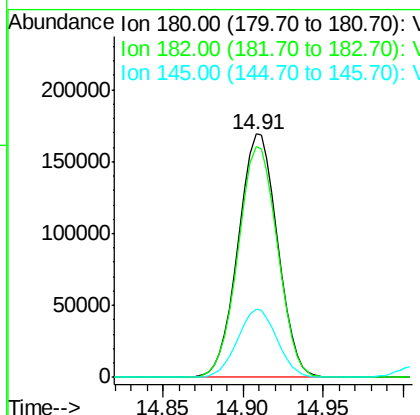
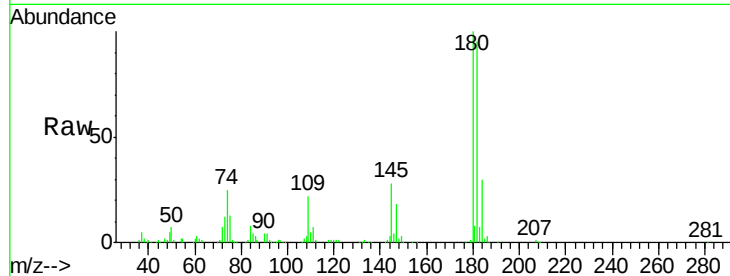
#89
 1,2,4-Trichlorobenzene
 Concen: 25.833 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN052742.D
 Acq: 10 Dec 2018 9:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100	282918		
182	95.3	76.6	114.8	
145	28.1	23.6	35.4	

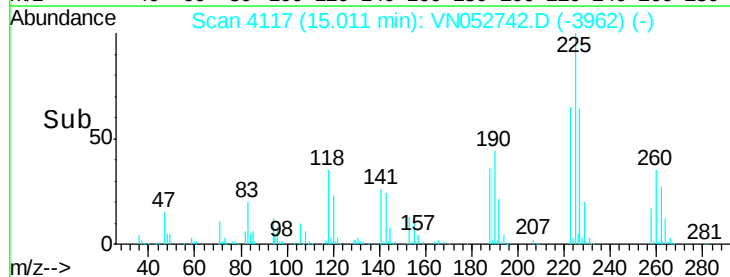
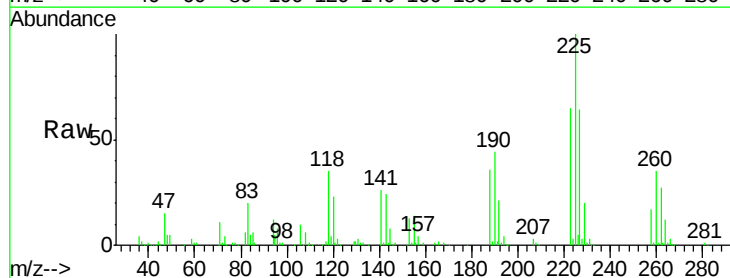
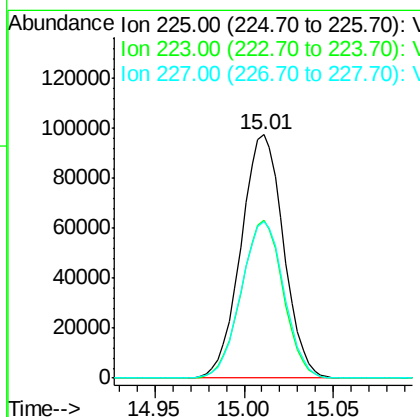
Manual Integrations
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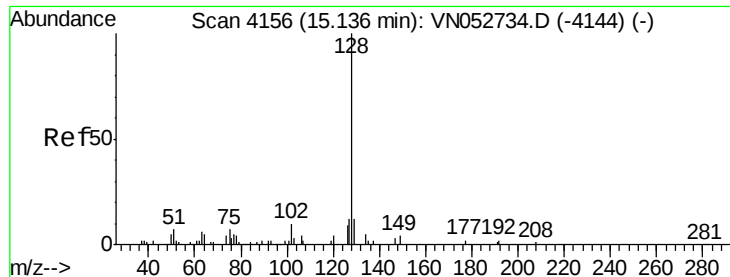
MMDadoda
 12/11/2018 12:45:34 PM



#90
 Hexachlorobutadiene
 Concen: 22.624 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN052742.D
 Acq: 10 Dec 2018 9:50

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	162536		
223	63.8	0.0	125.6	
227	64.8	0.0	127.8	





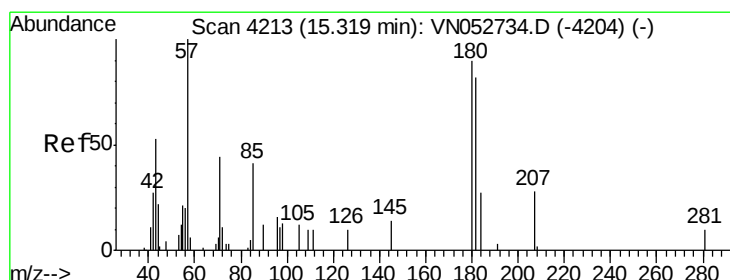
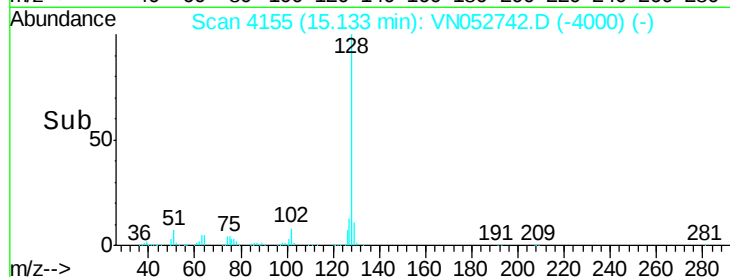
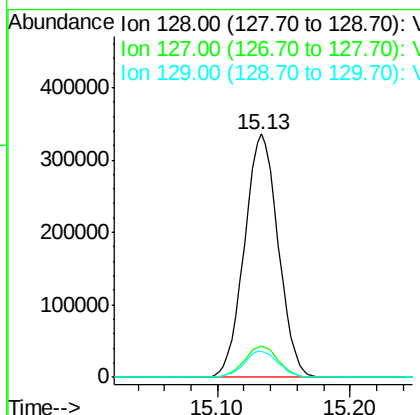
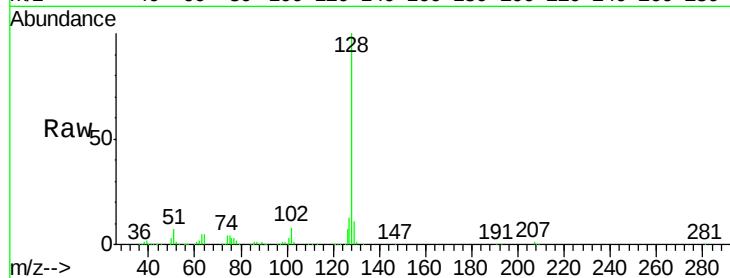
#91
Naphthalene
Concen: 26.706 ug/l
RT: 15.13 min Scan# 4156
Delta R.T. -0.00 min
Lab File: VN052742.D
Acq: 10 Dec 2018 9:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Resp Lower	Upper
128	100		
127	12.9	9.9	14.9
129	10.9	8.5	12.7

Manual Integrations
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#92
1,2,3-Trichlorobenzene
Concen: 25.335 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN052742.D
Acq: 10 Dec 2018 9:50

Tgt Ion	Ratio	Resp Lower	Upper
180	100		
182	96.2	0.0	196.2
145	30.5	0.0	62.2

