

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092619\
 Data File : VN058396.D
 Acq On : 26 Sep 2019 19:46
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC020EC

Manual Integrations
 APPROVED

MMDadoda
 9/27/2019 11:20:17 AM

Quant Time: Sep 27 05:54:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N092419W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Sep 25 01:36:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.17	128	82291	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.57	114	512034	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	440756	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.01	65	225210	30.96	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	103.20%
60) 4-Bromofluorobenzene	12.41	95	222512	29.18	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.27%
63) Toluene-d8	10.09	98	633508	30.12	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	100681	20.345 ug/l	95
3) Chloromethane	2.04	50	113615	19.884 ug/l	99
4) Vinyl Chloride	2.17	62	112491	19.729 ug/l	97
5) Bromomethane	2.50	94	34627	11.185 ug/l	95
6) Chloroethane	2.62	64	69674	20.677 ug/l	93
7) Trichlorofluoromethane	2.96	101	151197	22.522 ug/l	100
8) Diethyl Ether	3.38	74	66570	22.306 ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.72	101	98662	21.350 ug/l	99
10) 1,1-Dichloroethene	3.70	96	97353	21.550 ug/l	96
11) Methyl Iodide	3.91	142	83350	17.995 ug/l	99
12) Methyl Acetate	4.30	43	133136	22.127 ug/l	100
13) Acrolein	3.59	56	18375	107.399 ug/l	99
14) Acrylonitrile	4.96	53	245905	98.981 ug/l	99
15) Acetone	3.80	58	62736	91.074 ug/l	96
16) Carbon Disulfide	4.01	76	221897	17.675 ug/l	99
17) Allyl chloride	4.29	41	169921	20.137 ug/l	96
18) Methylene Chloride	4.52	84	111844	20.987 ug/l	95
19) trans-1,2-Dichloroethene	5.00	96	107187	21.164 ug/l	96
20) Diisopropyl ether	5.93	45	380652	21.171 ug/l	96
21) 1,1-Dichloroethane	5.82	63	212635	21.134 ug/l	99
22) cis-1,2-Dichloroethene	6.81	96	124791	21.213 ug/l	97
23) tert-Butyl Alcohol	4.83	59	70570m	76.947 ug/l	
24) Methyl tert-Butyl Ether	5.02	73	352972	21.767 ug/l	99
25) Chloroform	7.35	83	208646	20.480 ug/l	99
26) Cyclohexane	7.63	56	192797	20.501 ug/l	# 99
29) 1,1-Dichloropropene	7.77	75	162691	19.465 ug/l	99
30) 2-Butanone	6.82	43	326124	85.934 ug/l	98
31) 2,2-Dichloropropane	6.80	77	154629	17.970 ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	177258	19.663 ug/l	98
33) Carbon Tetrachloride	7.75	117	141660	18.496 ug/l	98
34) Benzene	8.02	78	476625	20.102 ug/l	99
35) Methacrylonitrile	7.15	41	60118	18.417 ug/l	88
36) 1,2-Dichloroethane	8.11	62	180583	19.443 ug/l	99
37) Trichloroethene	8.82	130	117102	19.728 ug/l	97
38) Methylcyclohexane	9.07	83	184274	18.233 ug/l	96
39) 1,2-Dichloropropane	9.11	63	128853	19.924 ug/l	99
40) Dibromomethane	9.20	93	77687	19.032 ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.39	83	148246	18.375	ug/l	98
42) Vinyl Acetate	5.87	43	1532715	105.776	ug/l	100
43) Ethyl Acetate	6.91	43	147931	19.632	ug/l	99
44) Isopropyl Acetate	8.15	43	272485	20.201	ug/l	97
45) 1,4-Dioxane	9.20	88	23397	205.608	ug/l	94
46) Methyl methacrylate	9.19	41	115249	18.028	ug/l	98
47) n-amyl Acetate	12.08	43	226036	19.252	ug/l	98
48) t-1,3-Dichloropropene	10.38	75	162540	18.437	ug/l	97
49) cis-1,3-Dichloropropene	9.83	75	182582	18.601	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	110784	19.420	ug/l	98
51) Ethyl methacrylate	10.43	69	167171	18.522	ug/l	97
52) 1,3-Dichloropropane	10.71	76	195213	19.268	ug/l	100
53) Dibromochloromethane	10.90	129	104191	18.180	ug/l	100
54) 1,2-Dibromoethane	11.00	107	112099	19.256	ug/l	99
55) 2-Chloroethyl vinyl ether	9.69	63	384103	100.504	ug/l	100
56) Bromoform	12.13	173	59047	16.334	ug/l	98
58) 4-Methyl-2-Pentanone	9.98	43	705746	102.191	ug/l	99
59) 2-Hexanone	10.75	43	569296	109.041	ug/l	97
61) Tetrachloroethene	10.63	164	93660	20.283	ug/l	99
62) Toluene	10.15	91	570364	23.628	ug/l	100
64) Chlorobenzene	11.44	112	296852	20.012	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	102405	19.692	ug/l	99
66) Ethyl Benzene	11.51	91	572424	21.747	ug/l	99
67) m/p-Xylenes	11.62	106	429453	42.497	ug/l	98
68) o-Xylene	11.95	106	199431	20.296	ug/l	96
69) Styrene	11.97	104	325035	19.781	ug/l	99
70) Isopropylbenzene	12.25	105	528258	20.745	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.51	83	157060	19.406	ug/l	99
72) 1,2,3-Trichloropropane	12.56	75	128448m	18.454	ug/l	
73) Bromobenzene	12.53	156	122409	19.847	ug/l	99
74) n-propylbenzene	12.60	91	610508	20.797	ug/l	100
75) 2-Chlorotoluene	12.68	91	364116	19.829	ug/l	99
76) 1,3,5-Trimethylbenzene	12.74	105	443263	20.216	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	39813	17.536	ug/l	99
78) 4-Chlorotoluene	12.78	91	364665	19.376	ug/l	99
79) tert-butylbenzene	13.00	119	375713	19.791	ug/l	98
80) 1,2,4-Trimethylbenzene	13.05	105	454161	20.751	ug/l	98
81) sec-Butylbenzene	13.18	105	486831	19.552	ug/l	100
82) p-Isopropyltoluene	13.30	119	435096	19.404	ug/l	99
83) 1,3-Dichlorobenzene	13.29	146	218637	19.213	ug/l	99
84) 1,4-Dichlorobenzene	13.37	146	214677	18.955	ug/l	99
85) n-Butylbenzene	13.62	91	376411	18.068	ug/l	99
86) Hexachloroethane	13.88	117	59435	16.411	ug/l	96
87) 1,2-Dichlorobenzene	13.66	146	216903	19.520	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.28	75	27049	17.124	ug/l	97
89) 1,2,4-Trichlorobenzene	14.92	180	119152	16.414	ug/l	99
90) Hexachlorobutadiene	15.02	225	54616	15.549	ug/l	96
91) Naphthalene	15.13	128	352695	17.692	ug/l	100
92) 1,2,3-Trichlorobenzene	15.30	180	111194	15.948	ug/l	99

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

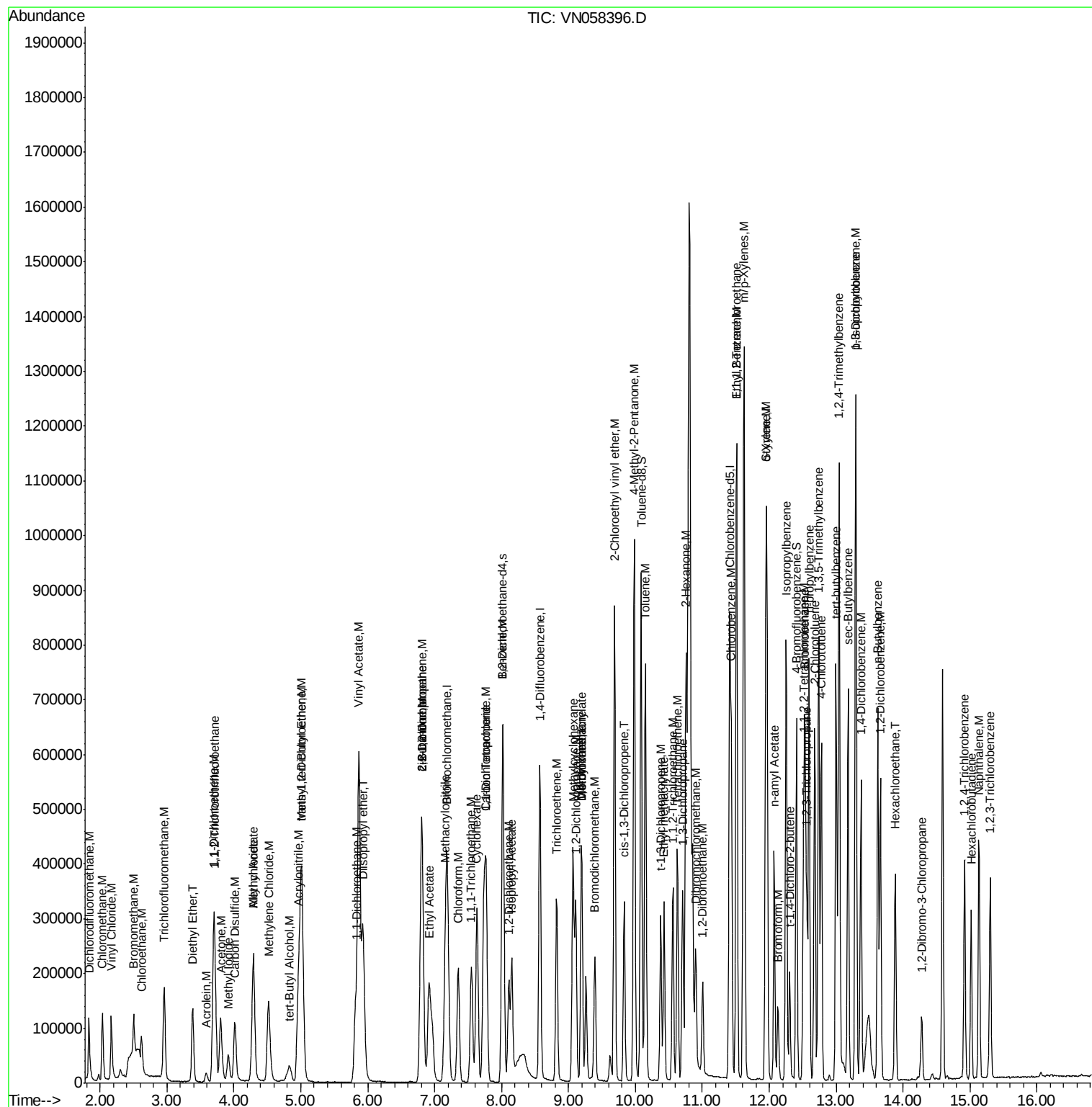
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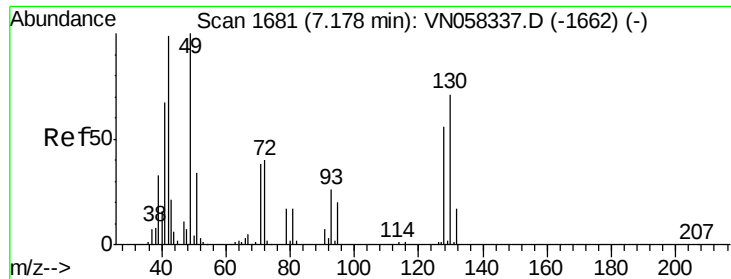
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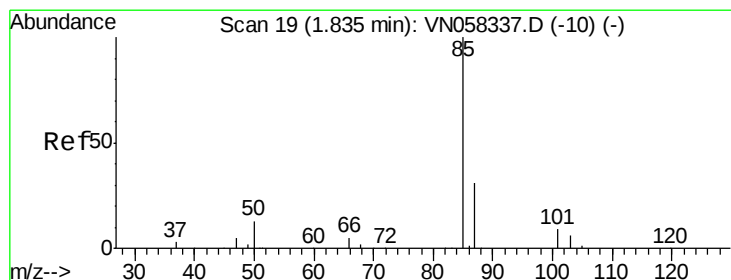
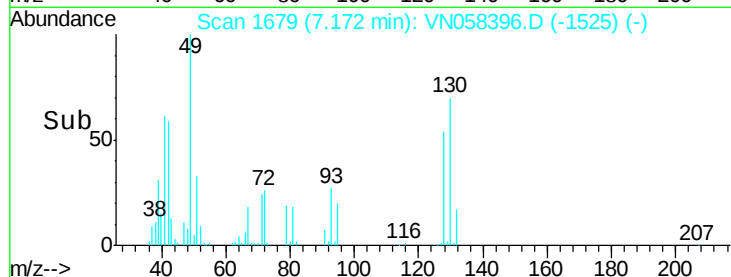
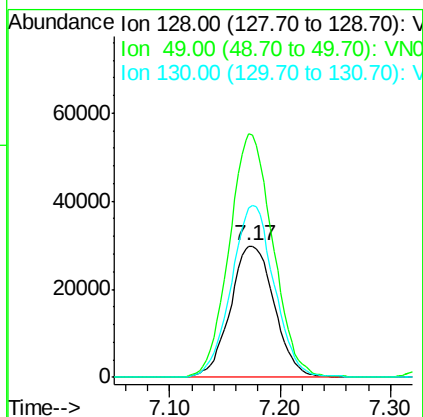
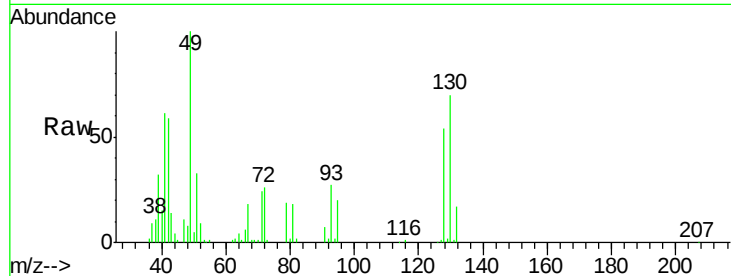
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.01 min
Lab File: VN058396.D
Acq: 26 Sep 2019 19:46

Instrument :
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VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
128	100		
49	184.5	0.0	458.5
130	128.3	0.0	320.7

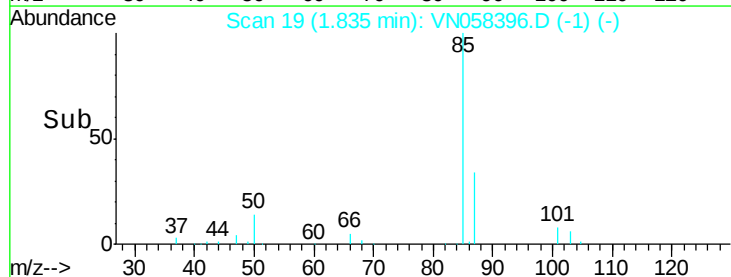
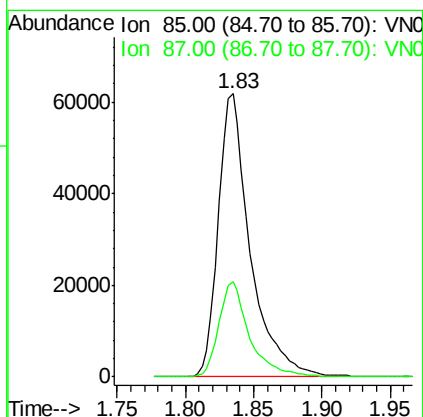
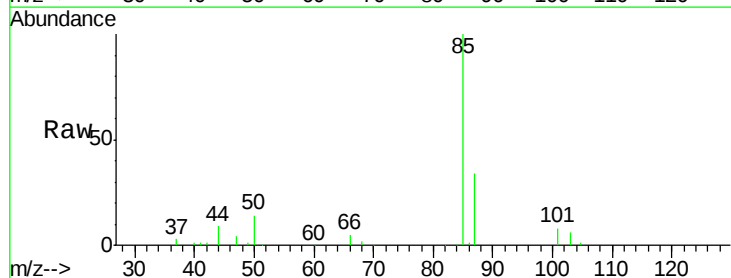
Manual Integrations
APPROVED

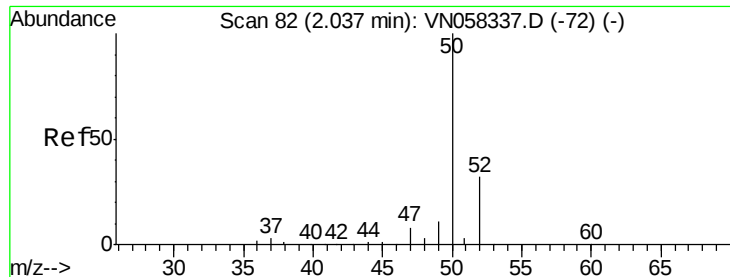
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#2
Dichlorodifluoromethane
Concen: 20.345 ug/l
RT: 1.83 min Scan# 19
Delta R.T. 0.00 min
Lab File: VN058396.D
Acq: 26 Sep 2019 19:46

Tgt Ion	Ratio	Lower	Upper
85	100		
87	33.5	15.5	46.5





#3

Chloromethane

Concen: 19.884 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN058396.D

Acq: 26 Sep 2019 19:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 50 Resp: 113615

Ion Ratio Lower Upper

50 100

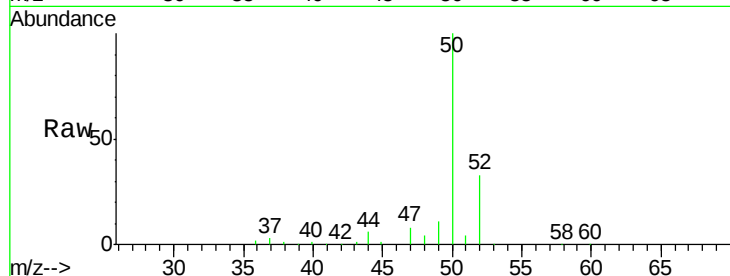
52 33.0 25.9 38.9

Manual Integrations

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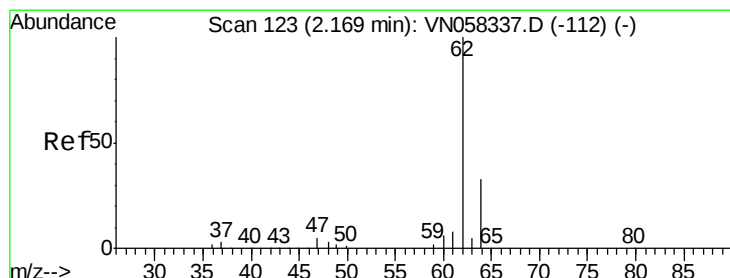
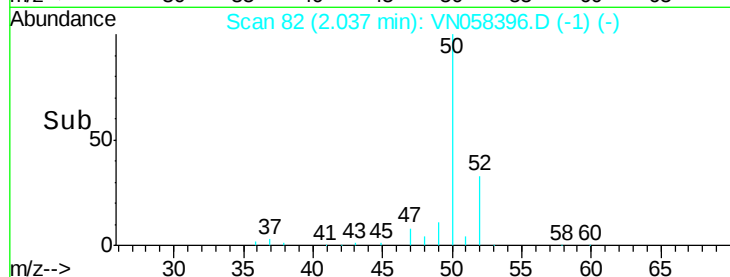
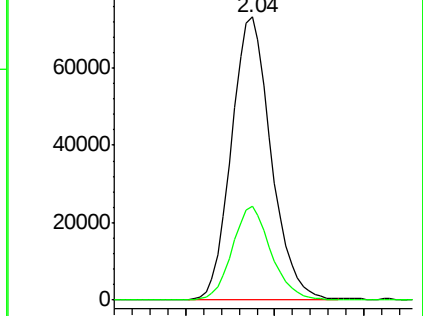
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Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#4

Vinyl Chloride

Concen: 19.729 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058396.D

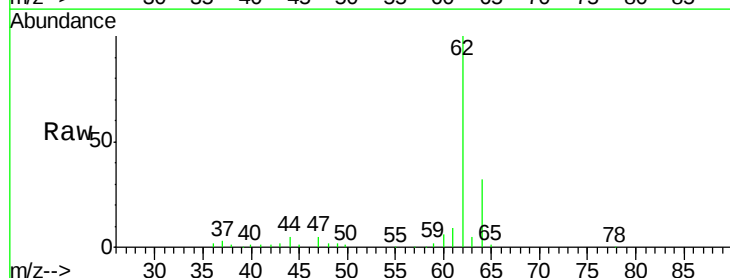
Acq: 26 Sep 2019 19:46

Tgt Ion: 62 Resp: 112491

Ion Ratio Lower Upper

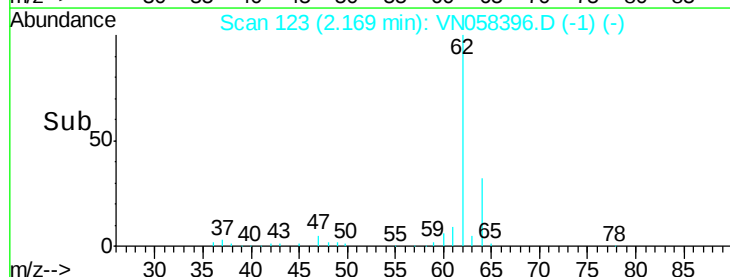
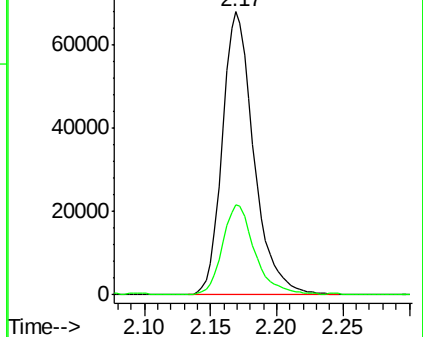
62 100

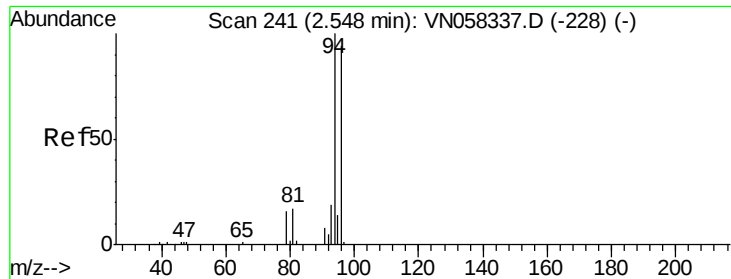
64 31.5 26.6 40.0



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0





#5

Bromomethane

Concen: 11.185 ug/l

RT: 2.50 min Scan# 227

Delta R.T. -0.05 min

Lab File: VN058396.D

Acq: 26 Sep 2019 19:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 94 Resp: 34627

Ion Ratio Lower Upper

94 100

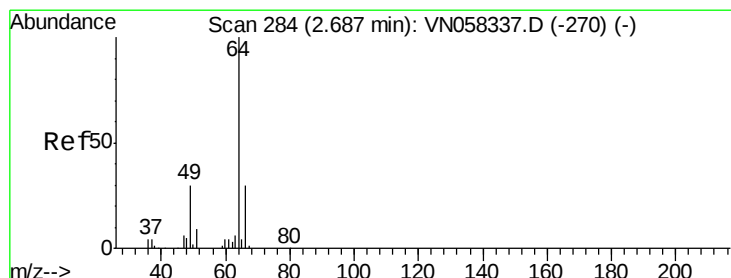
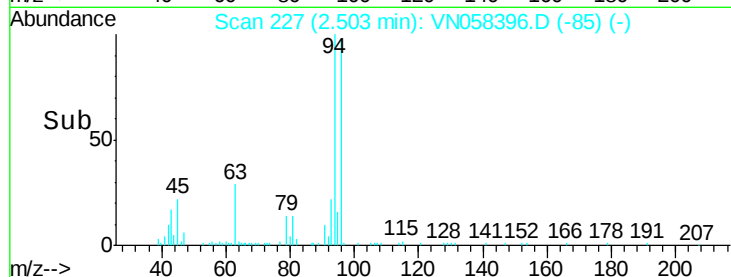
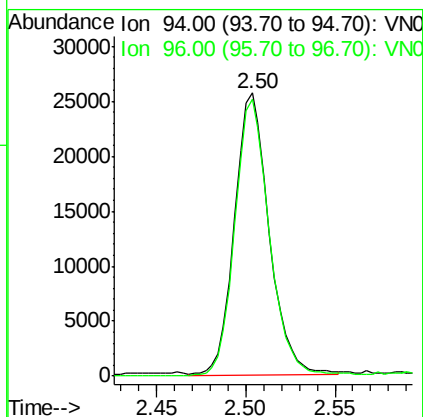
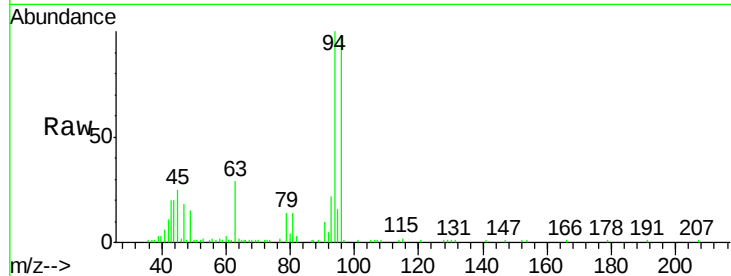
96 98.6 74.8 112.2

Manual Integrations

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#6

Chloroethane

Concen: 20.677 ug/l

RT: 2.62 min Scan# 263

Delta R.T. -0.07 min

Lab File: VN058396.D

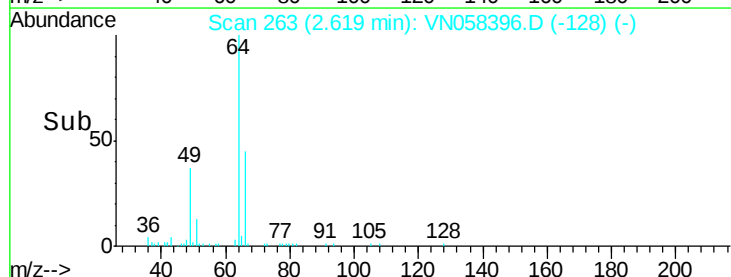
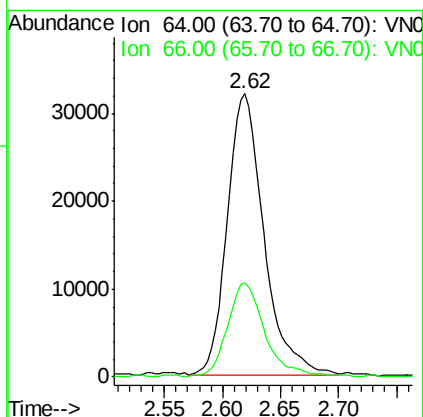
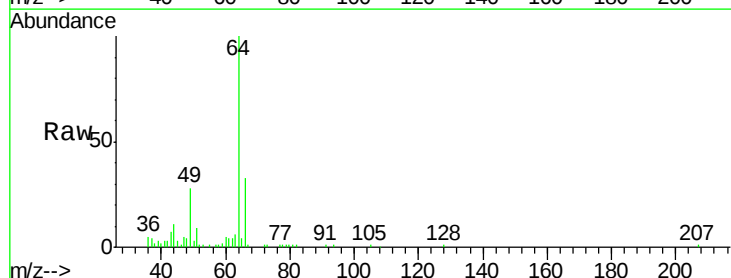
Acq: 26 Sep 2019 19:46

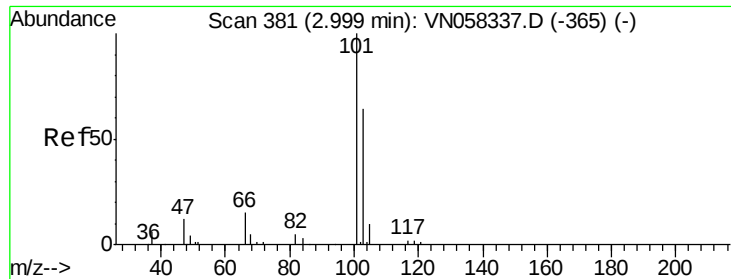
Tgt Ion: 64 Resp: 69674

Ion Ratio Lower Upper

64 100

66 33.6 23.8 35.6





#7

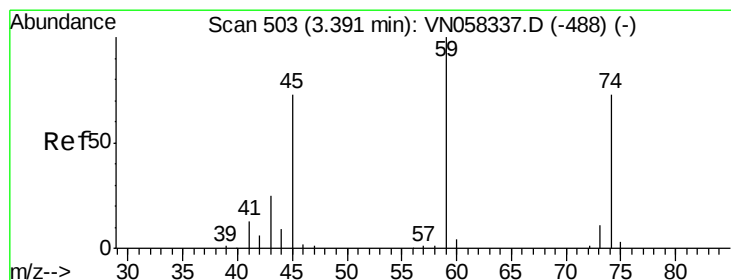
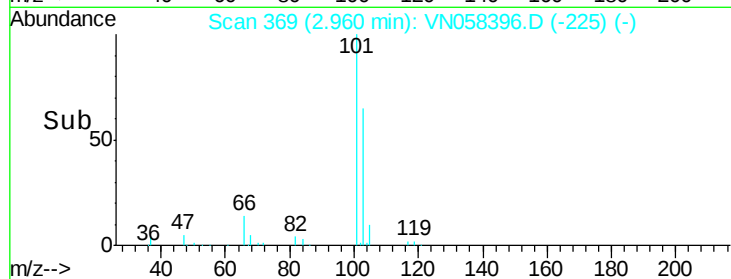
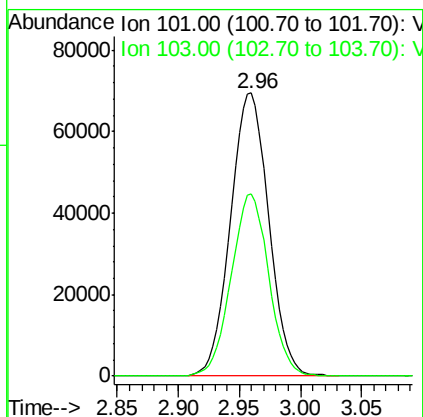
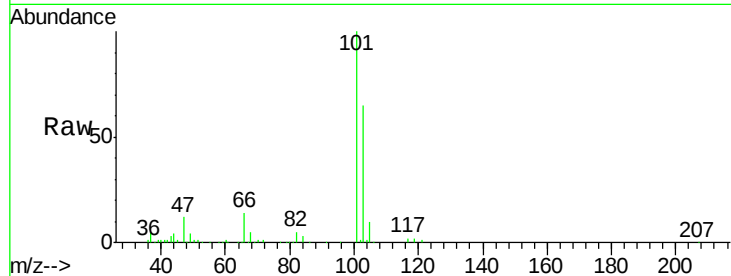
Trichlorofluoromethane
 Concen: 22.522 ug/l
 RT: 2.96 min Scan# 369
 Delta R.T. -0.04 min
 Lab File: VN058396.D
 Acq: 26 Sep 2019 19:46

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.6	51.5	77.3

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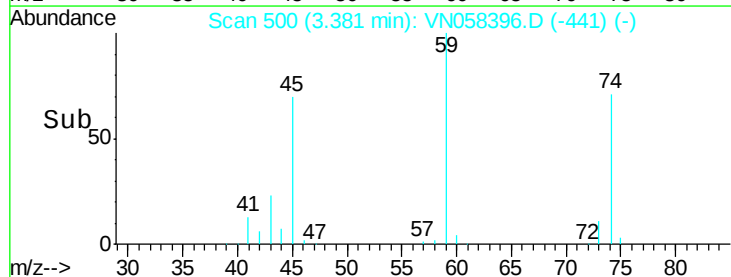
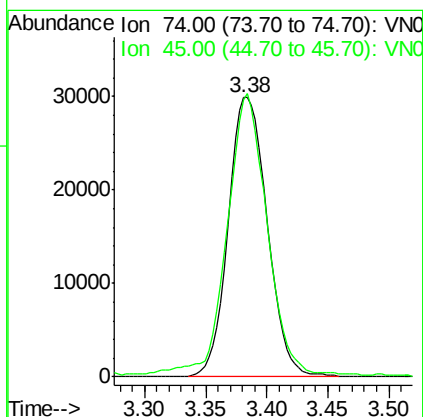
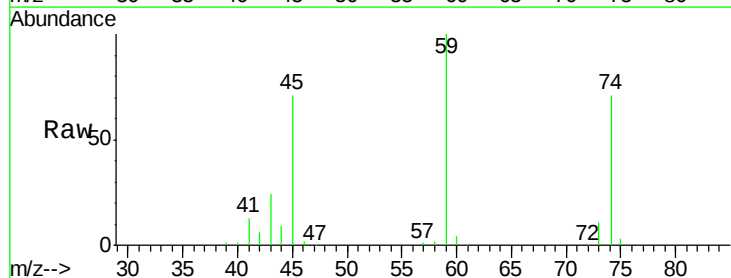
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 9/27/2019 11:20:17 AM

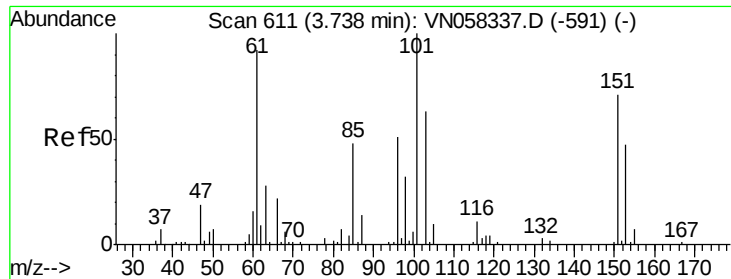


#8

Diethyl Ether
 Concen: 22.306 ug/l
 RT: 3.38 min Scan# 500
 Delta R.T. -0.01 min
 Lab File: VN058396.D
 Acq: 26 Sep 2019 19:46

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.5	20.8	187.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.350 ug/l

RT: 3.72 min Scan# 604

Delta R.T. -0.02 min

Lab File: VN058396.D

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Instrument :

MSVOA_N

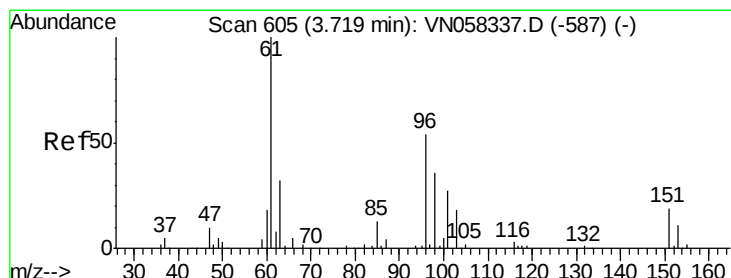
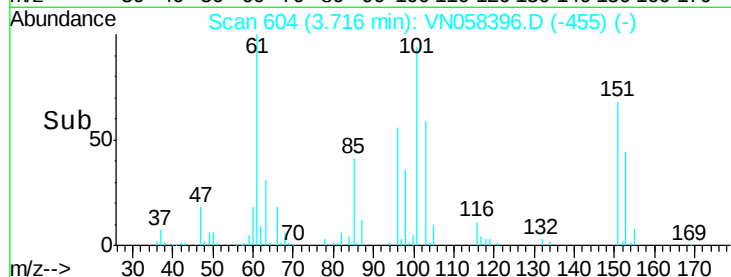
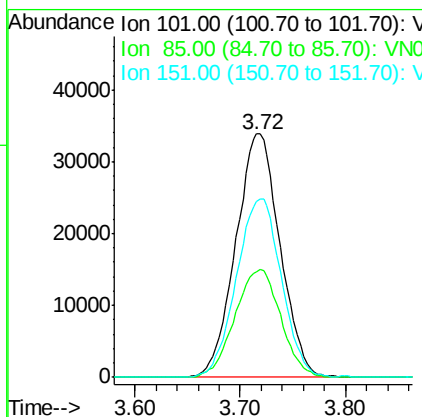
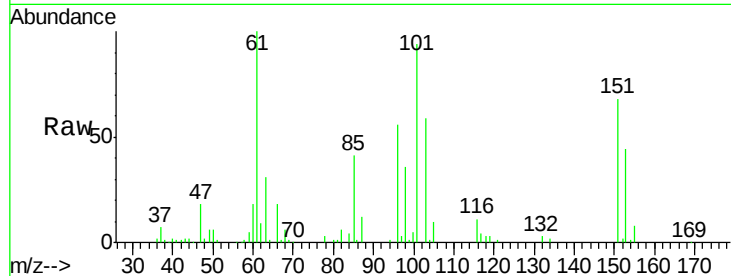
ClientSampleId :

VSTDCCC020EC

Tot Ion:	101	Resp:	98662
Ion Ratio	Lower	Upper	
101	100		
85	45.8	0.0	93.0
151	74.5	0.0	147.2

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#10

1,1-Dichloroethene

Concen: 21.550 ug/l

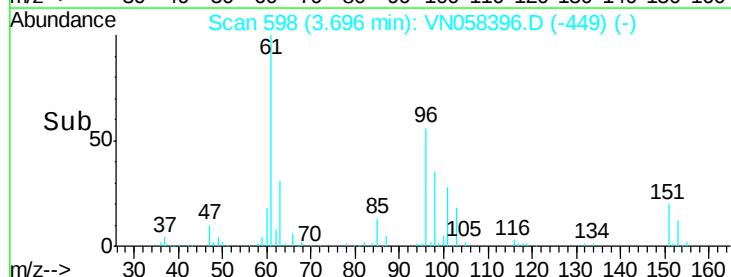
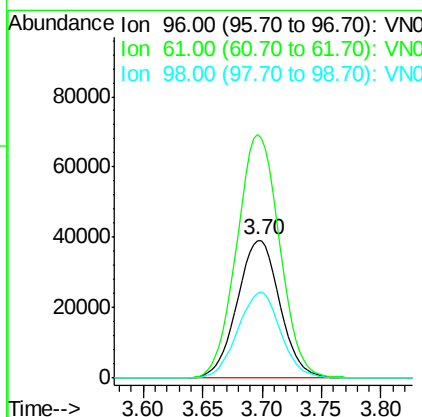
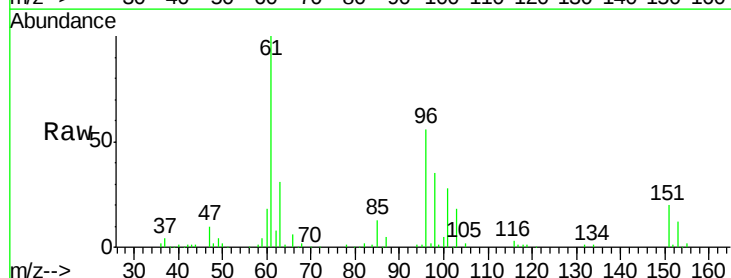
RT: 3.70 min Scan# 598

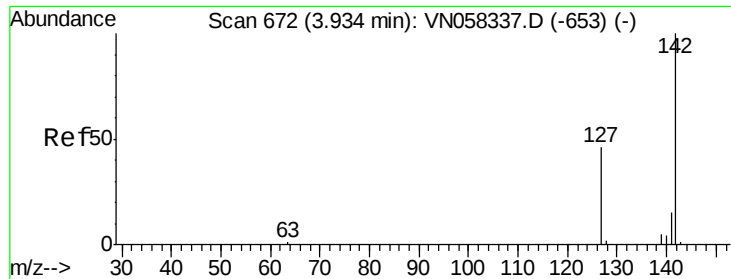
Delta R.T. -0.02 min

Lab File: VN058396.D

Acq: 26 Sep 2019 19:46

Tgt Ion:	96	Resp:	97353
Ion Ratio	Lower	Upper	
96	100		
61	177.1	146.9	220.3
98	62.1	52.3	78.5





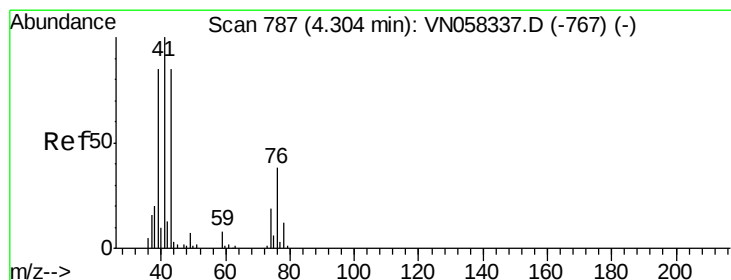
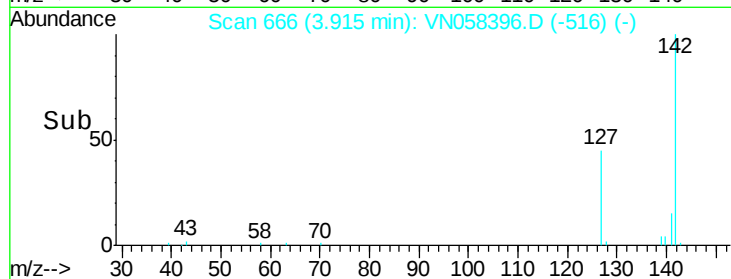
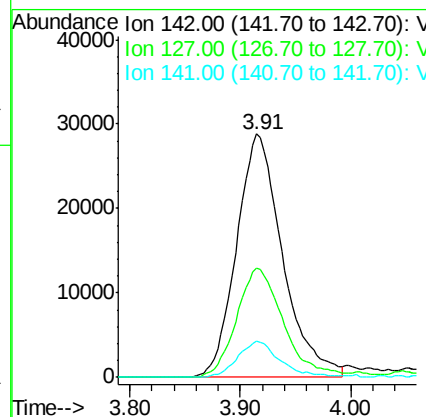
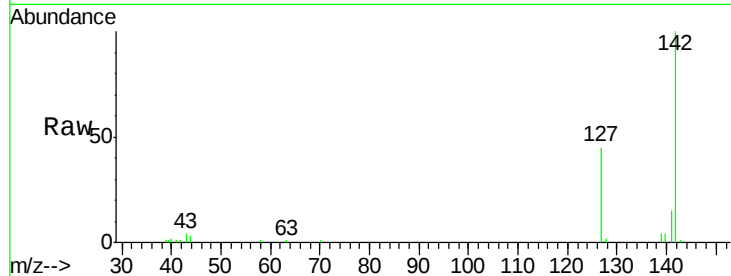
#11
Methvl Iodide
Concen: 17.995 ug/l
RT: 3.91 min Scan# 666
Delta R.T. -0.02 min
Lab File: VN058396.D
Acq: 26 Sep 2019 19:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
142	100		
127	45.1	22.9	68.7
141	14.7	7.4	22.3

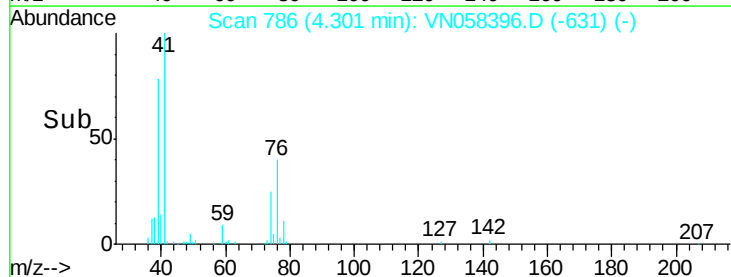
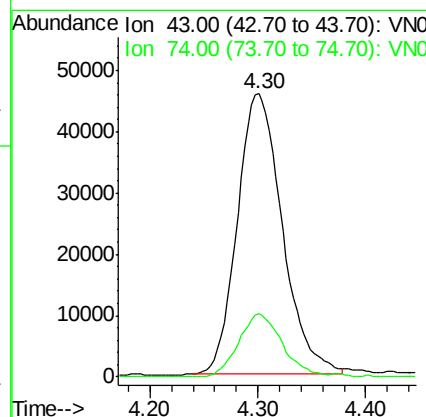
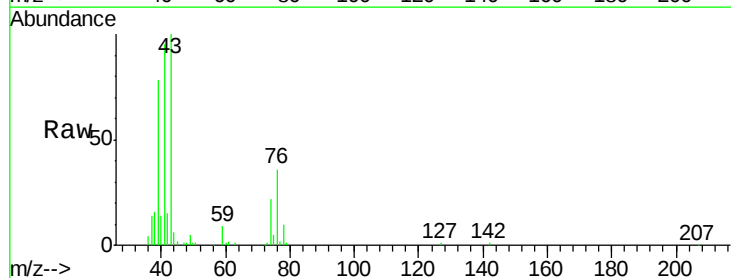
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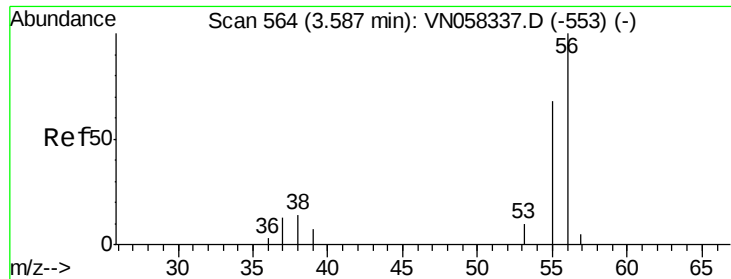
MMDadoda
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#12
Methyl Acetate
Concen: 22.127 ug/l
RT: 4.30 min Scan# 786
Delta R.T. -0.00 min
Lab File: VN058396.D
Acq: 26 Sep 2019 19:46

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.4	17.8	26.6





#13

Acrolein

Concen: 107.399 ug/l

RT: 3.59 min Scan# 564

Delta R.T. 0.00 min

Lab File: VN058396.D

Acq: 26 Sep 2019 19:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 56 Resp: 18375

Ion Ratio Lower Upper

56 100

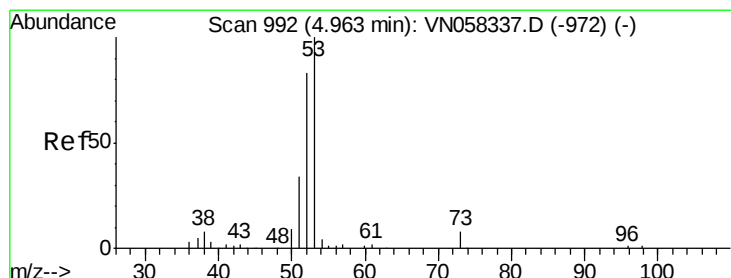
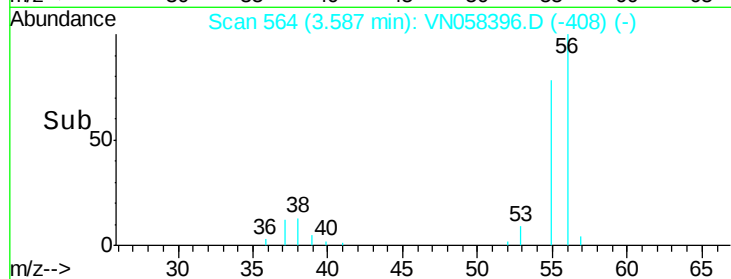
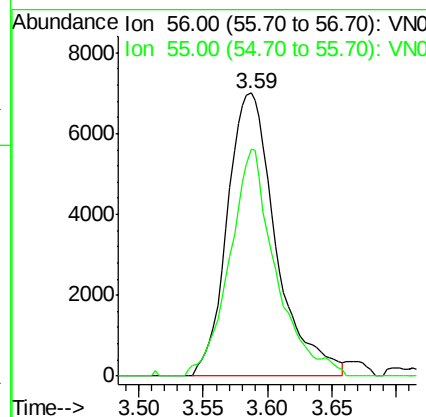
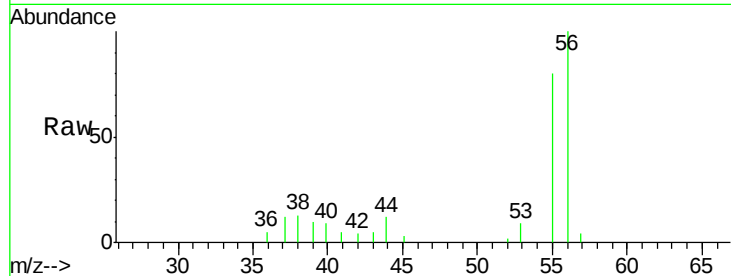
55 73.8 58.4 87.6

Manual Integrations

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#14

Acrylonitrile

Concen: 98.981 ug/l

RT: 4.96 min Scan# 992

Delta R.T. 0.00 min

Lab File: VN058396.D

Acq: 26 Sep 2019 19:46

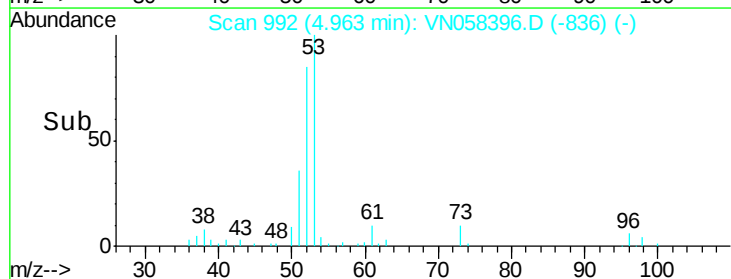
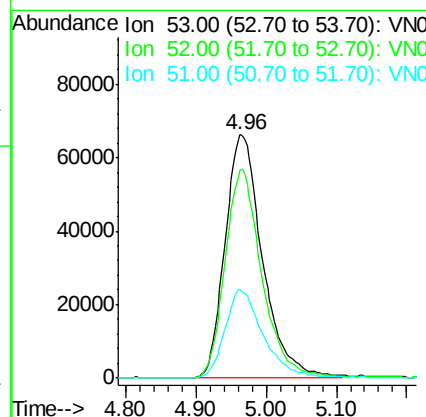
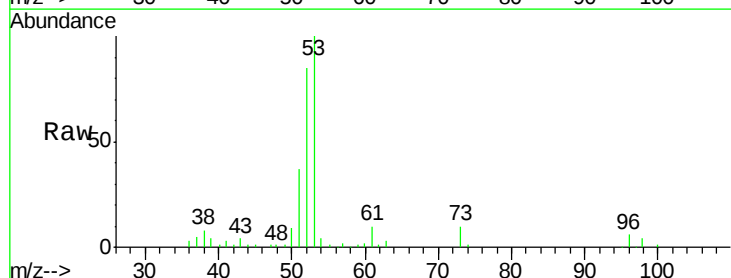
Tgt Ion: 53 Resp: 245905

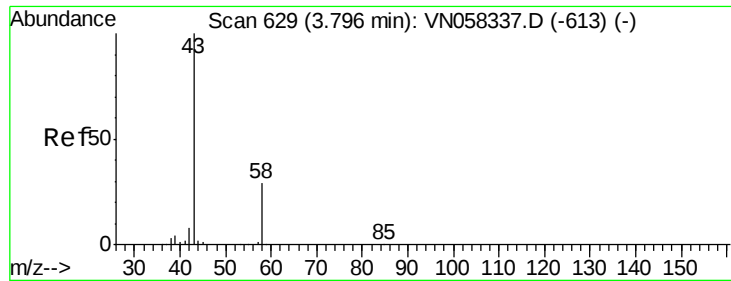
Ion Ratio Lower Upper

53 100

52 83.6 41.3 123.7

51 36.7 18.3 54.8





#15

Acetone

Concen: 91.074 ug/l

RT: 3.80 min Scan# 631

Delta R.T. 0.01 min

Lab File: VN058396.D

Acq: 26 Sep 2019 19:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 58 Resp: 62736

Ion Ratio Lower Upper

58 100

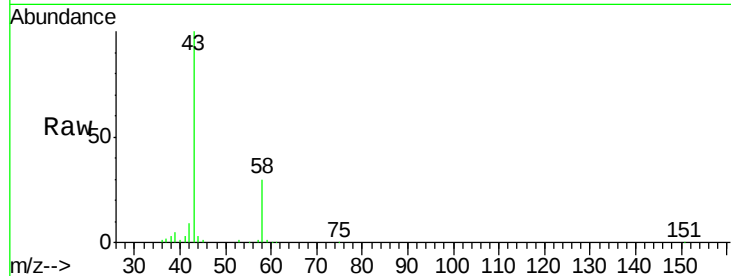
43 331.6 272.6 409.0

Manual Integrations

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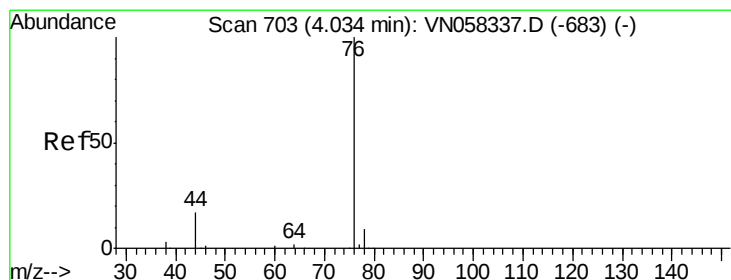
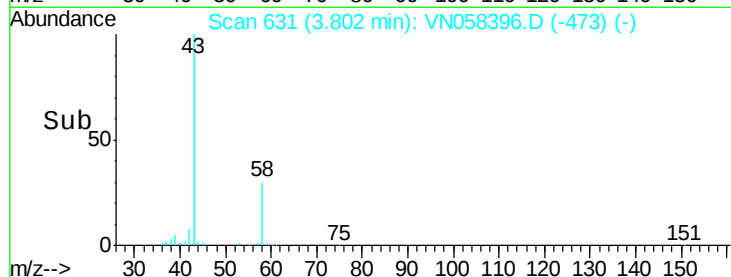
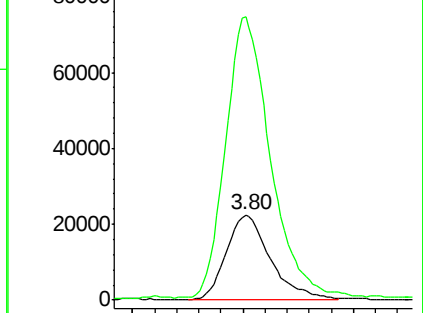
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Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 17.675 ug/l

RT: 4.01 min Scan# 697

Delta R.T. -0.02 min

Lab File: VN058396.D

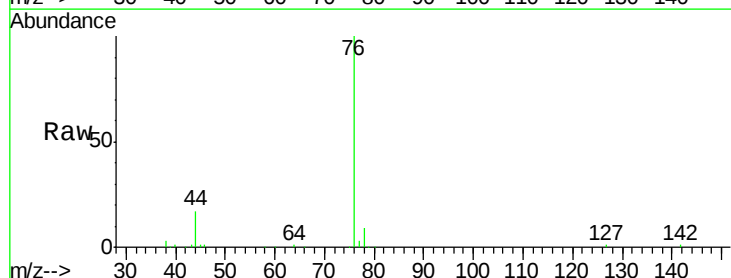
Acq: 26 Sep 2019 19:46

Tgt Ion: 76 Resp: 221897

Ion Ratio Lower Upper

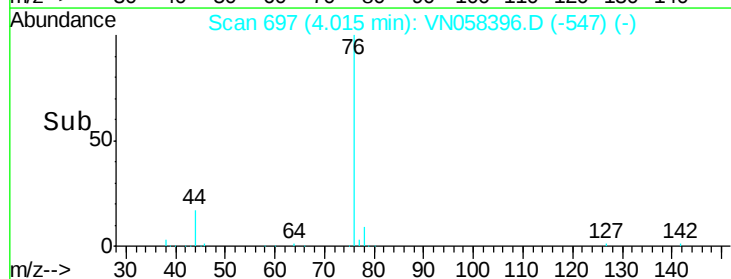
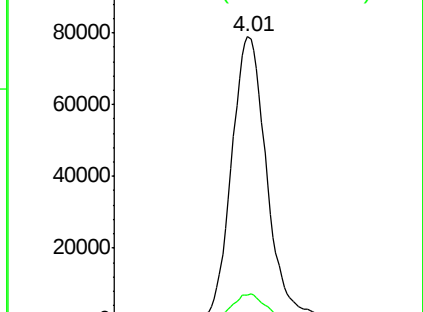
76 100

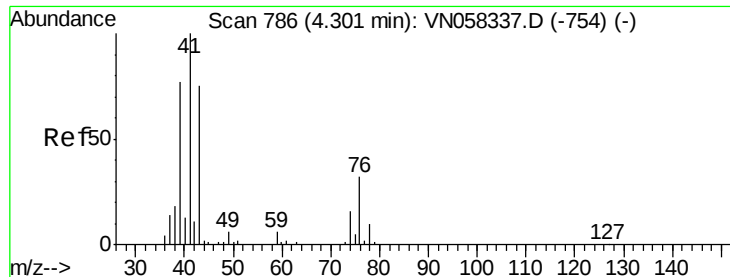
78 9.0 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#17

Allvl chloride

Concen: 20.137 ug/l

RT: 4.29 min Scan# 782

Delta R.T. -0.01 min

Lab File: VN058396.D

Acq: 26 Sep 2019 19:46

Instrument :

MSVOA_N

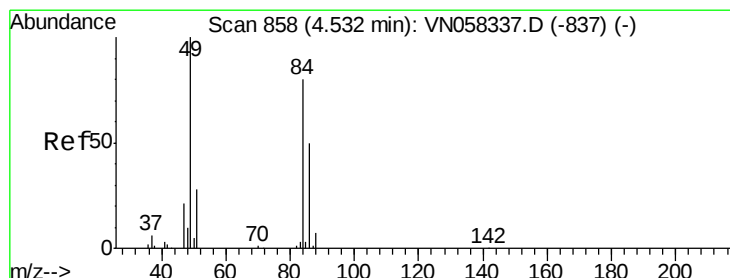
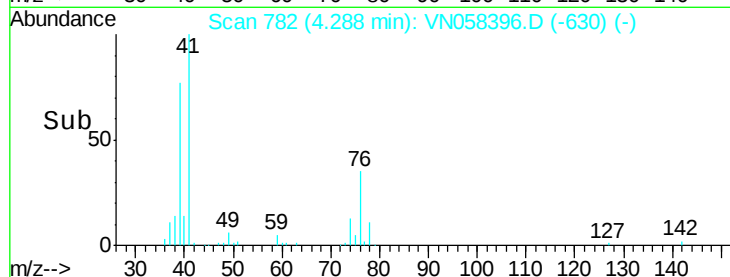
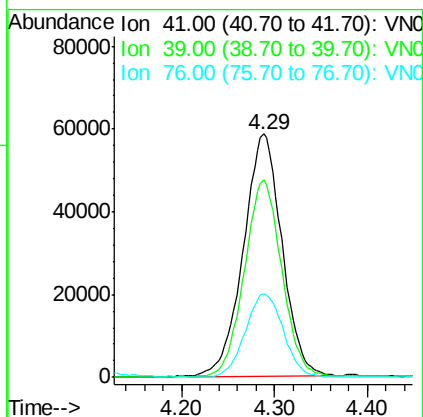
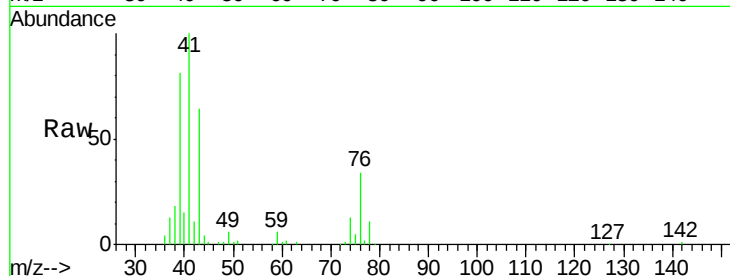
ClientSampleId :

VSTDCCC020EC

Tot Ion:	41	Resp:	169921
Ion	Ratio	Lower	Upper
41	100		
39	81.0	38.7	116.1
76	34.4	16.4	49.1

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#18

Methylene Chloride

Concen: 20.987 ug/l

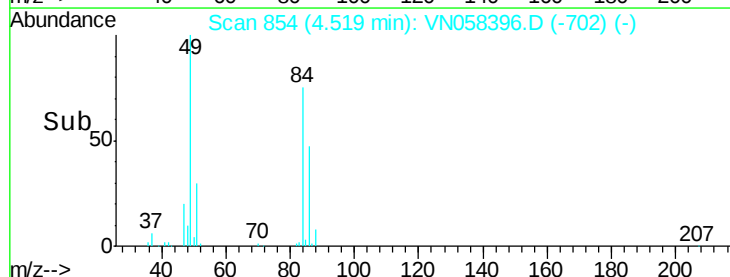
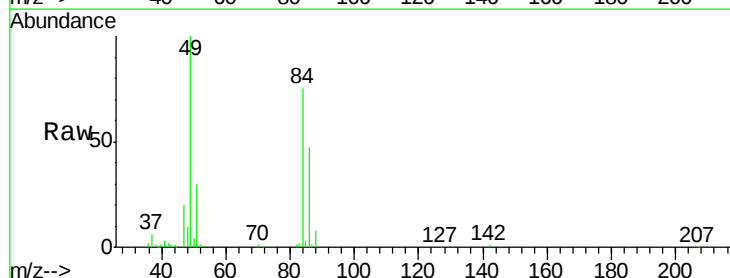
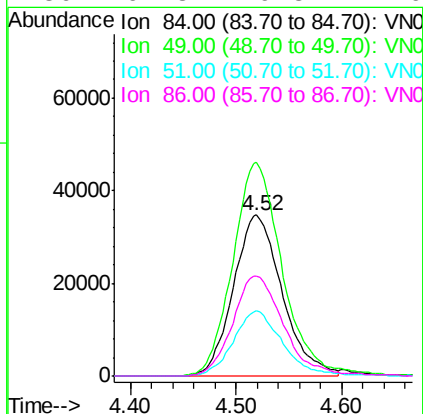
RT: 4.52 min Scan# 854

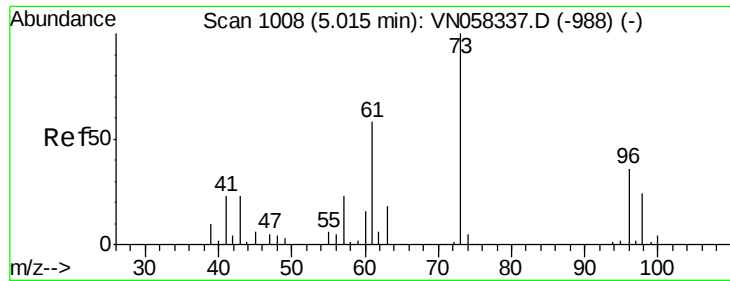
Delta R.T. -0.01 min

Lab File: VN058396.D

Acq: 26 Sep 2019 19:46

Tgt Ion:	84	Resp:	111844
Ion	Ratio	Lower	Upper
84	100		
49	131.7	99.8	149.6
51	40.3	28.3	42.5
86	62.3	49.8	74.6





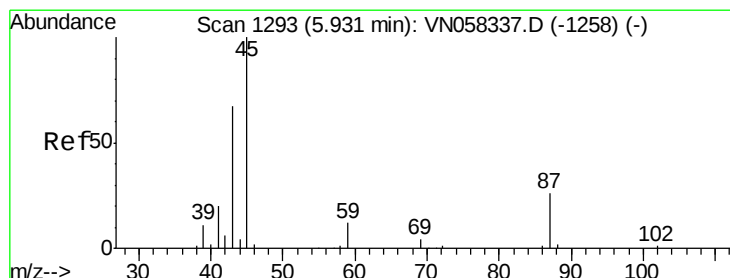
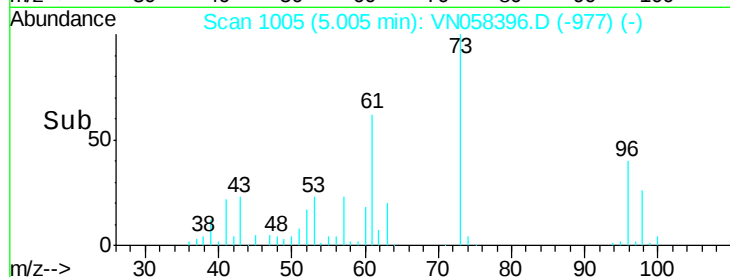
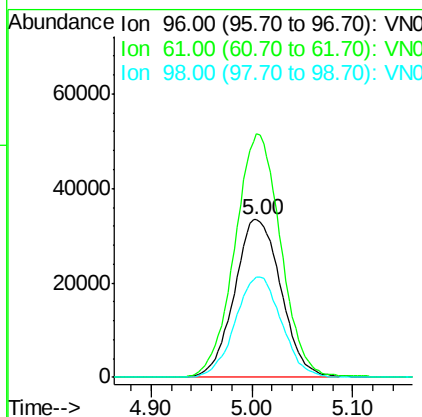
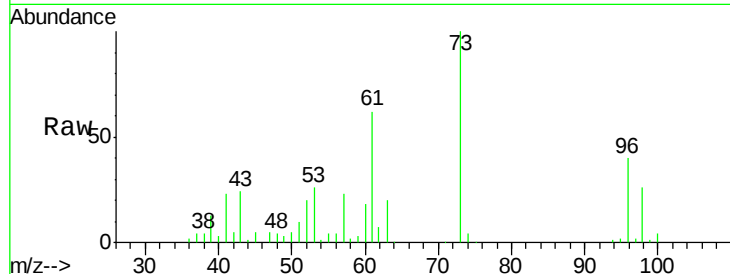
#19
trans-1,2-Dichloroethene
Concen: 21.164 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. -0.01 min
Lab File: VN058396.D
Acq: 26 Sep 2019 19:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	153.8	128.0	192.0
98	63.9	53.0	79.6

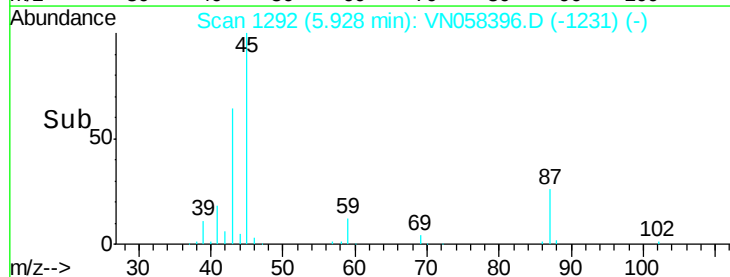
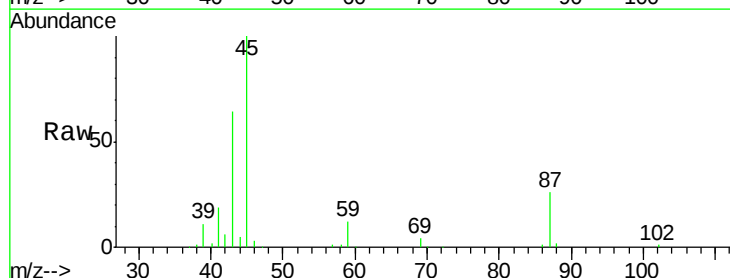
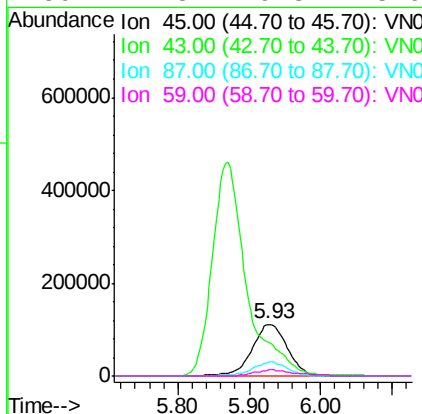
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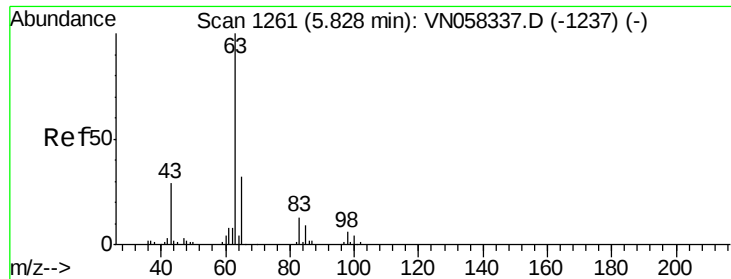
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#20
Diisopropyl ether
Concen: 21.171 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. -0.00 min
Lab File: VN058396.D
Acq: 26 Sep 2019 19:46

Tgt Ion	Ratio	Lower	Upper
45	100		
43	62.6	54.1	81.1
87	26.2	21.4	32.2
59	11.3	9.3	13.9





#21

1,1-Dichloroethane

Concen: 21.134 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. -0.01 min

Lab File: VN058396.D

Acq: 26 Sep 2019 19:46

Instrument :

MSVOA_N

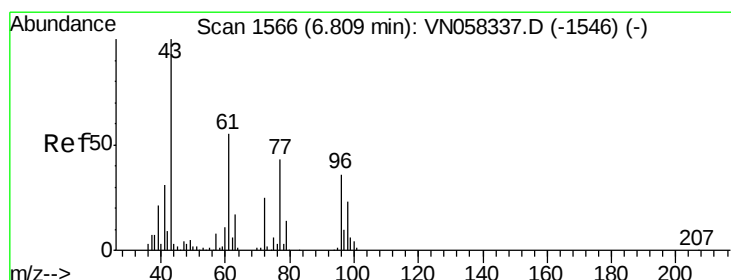
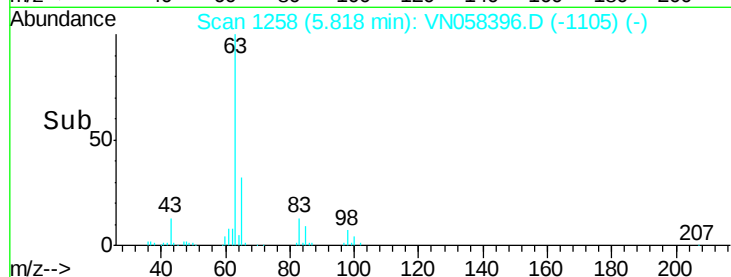
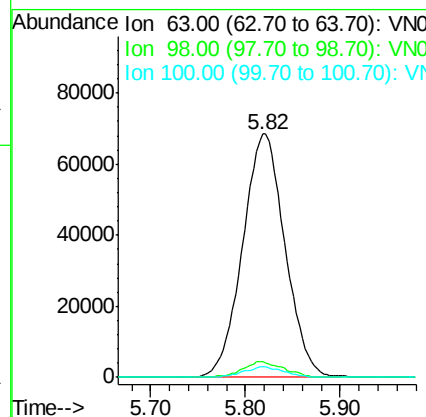
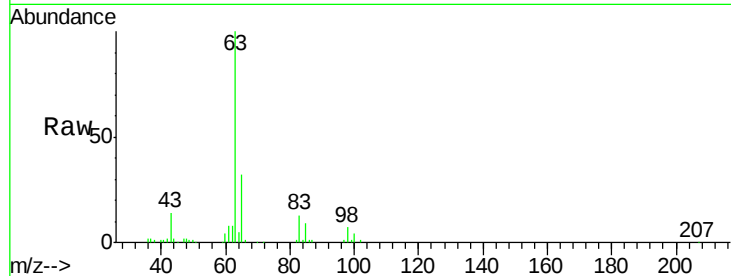
ClientSampleId :

VSTDCCC020EC

Tot Ion:	63	Resp:	212635
Ion Ratio		Lower	Upper
63	100		
98	6.6	3.0	9.2
100	4.4	2.1	6.5

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#22

cis-1,2-Dichloroethene

Concen: 21.213 ug/l

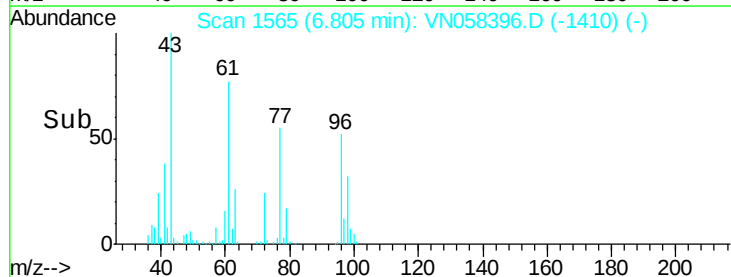
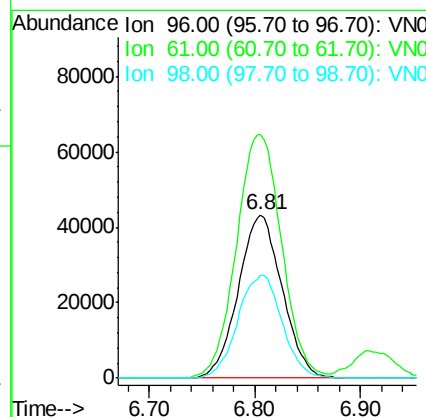
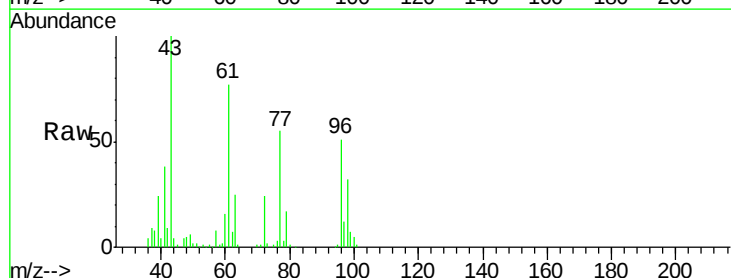
RT: 6.81 min Scan# 1565

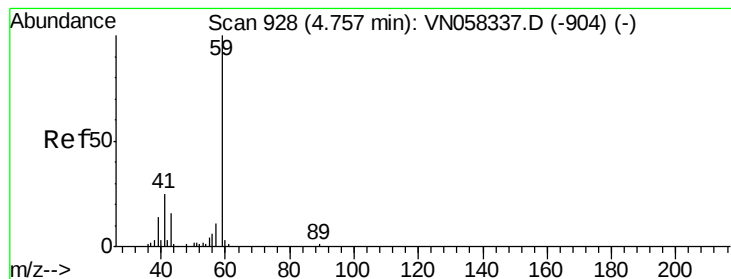
Delta R.T. -0.00 min

Lab File: VN058396.D

Acq: 26 Sep 2019 19:46

Tgt Ion:	96	Resp:	124791
Ion Ratio		Lower	Upper
96	100		
61	154.3	128.2	192.2
98	63.8	50.6	76.0





#23

tert-Butyl Alcohol

Concen: 76.947 ug/l

RT: 4.83 min Scan# 950

Delta R.T. 0.07 min

Lab File: VN058396.D

Acq: 26 Sep 2019 19:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 59 Resp: 70570

Ion Ratio Lower Upper

59 100

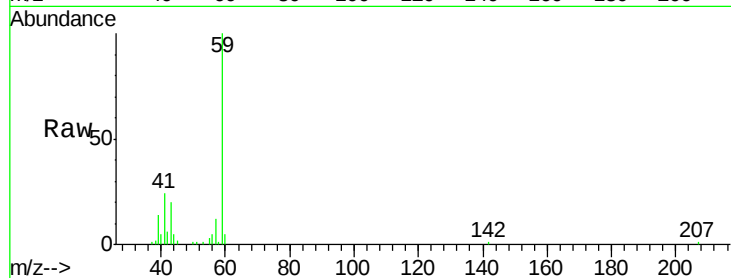
52 0.0 0.1 0.1#

Manual Integrations

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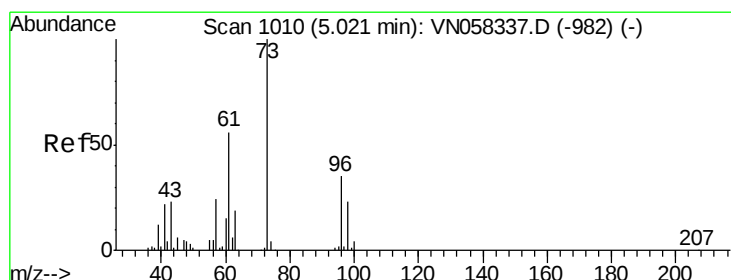
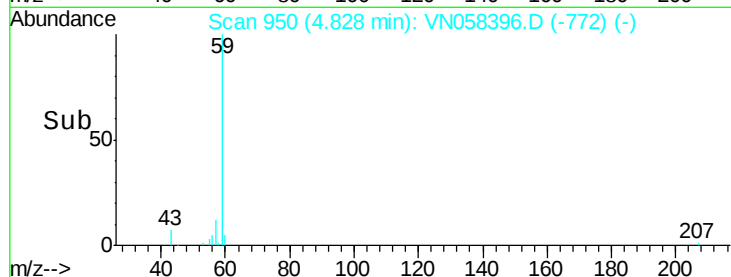
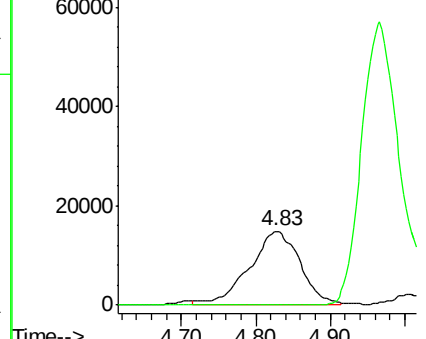
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Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#24

Methyl tert-Butyl Ether

Concen: 21.767 ug/l

RT: 5.02 min Scan# 1009

Delta R.T. -0.00 min

Lab File: VN058396.D

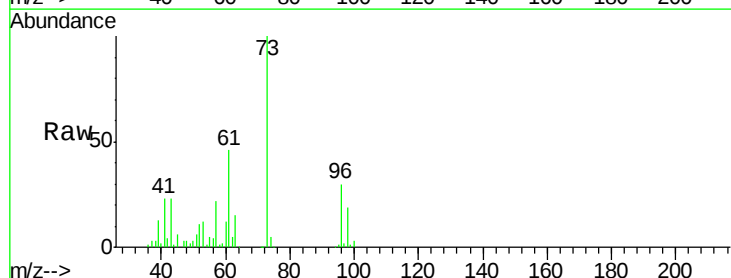
Acq: 26 Sep 2019 19:46

Tgt Ion: 73 Resp: 352972

Ion Ratio Lower Upper

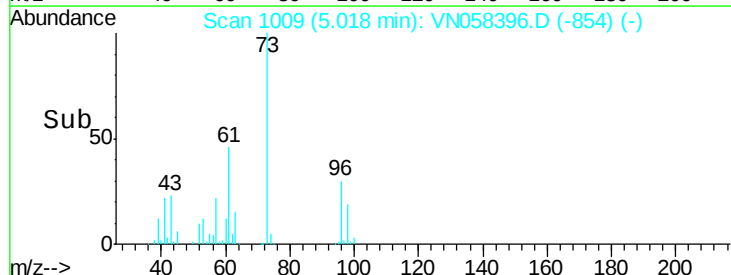
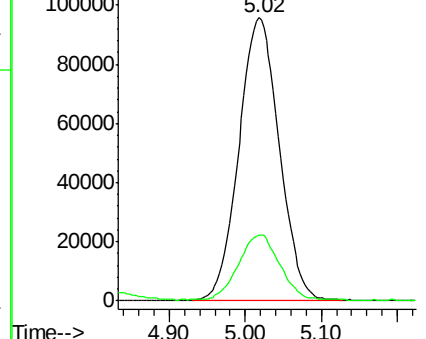
73 100

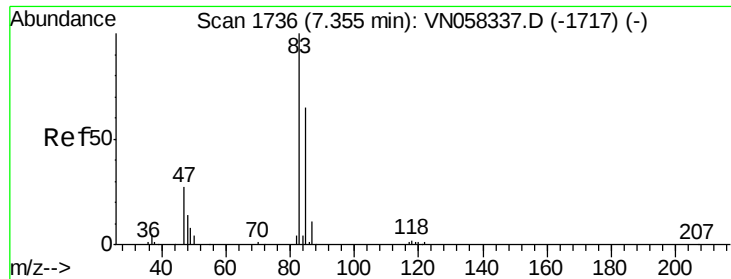
43 23.3 18.4 27.6



Abundance Ion 73.00 (72.70 to 73.70): VN0

Ion 43.00 (42.70 to 43.70): VN0





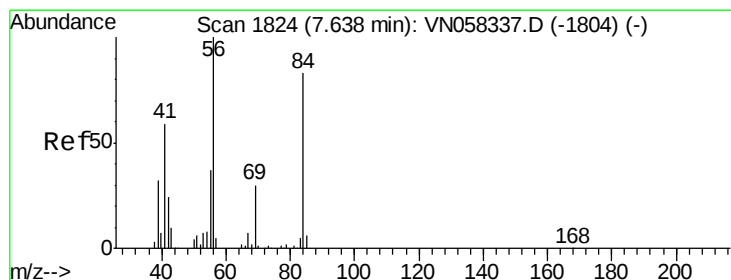
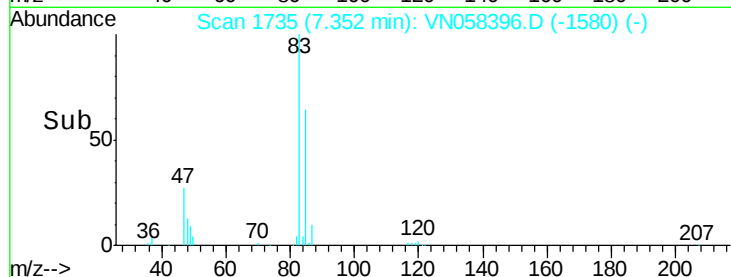
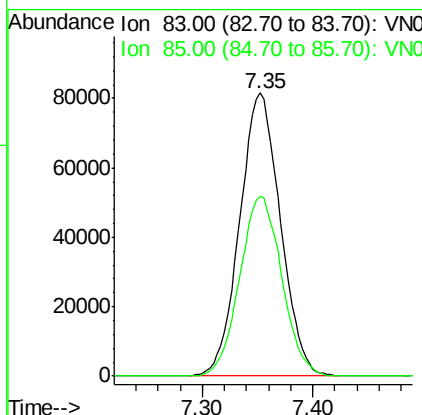
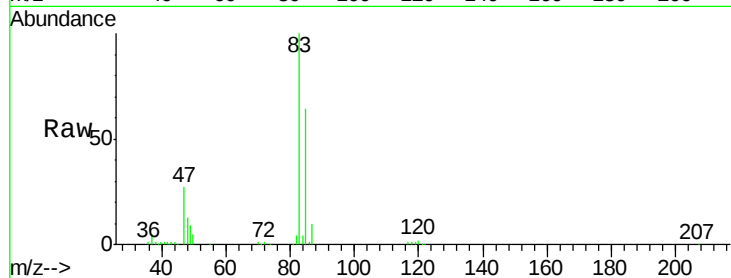
#25
Chloroform
Concen: 20.480 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. -0.00 min
Lab File: VN058396.D
Acq: 26 Sep 2019 19:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	83	Resp	208646
Ion Ratio	100	Lower	Upper
85	63.6	51.8	77.6

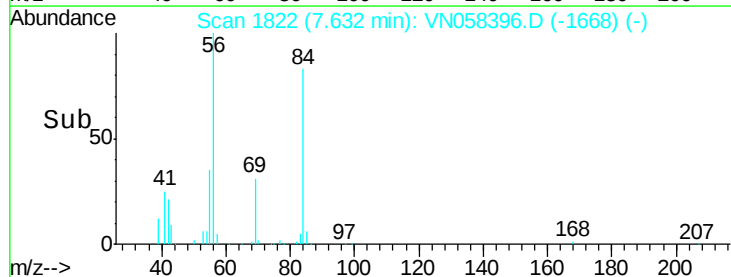
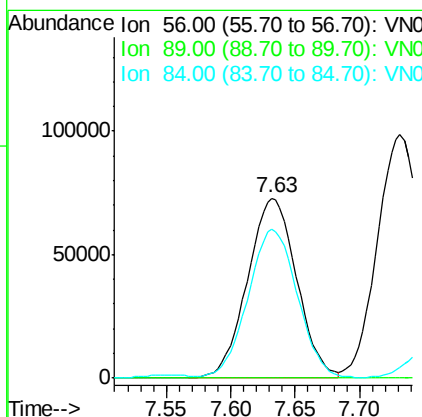
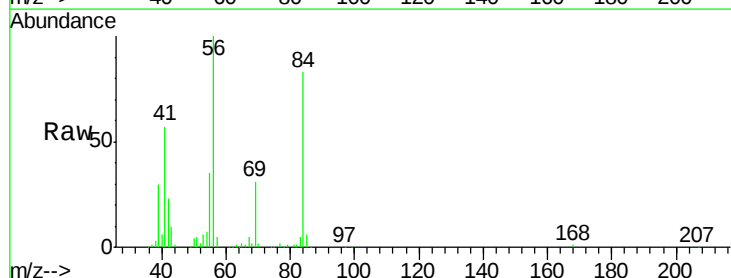
Manual Integrations
APPROVED

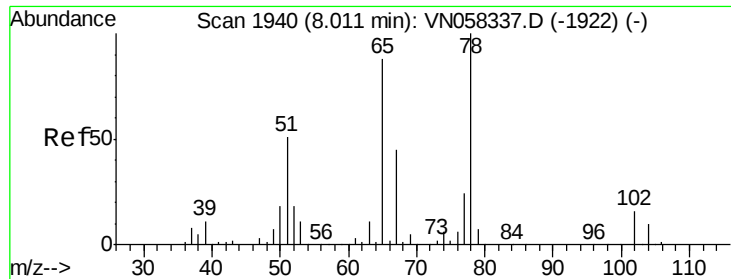
MMDadoda
9/27/2019 11:20:17 AM



#26
Cyclohexane
Concen: 20.501 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. -0.01 min
Lab File: VN058396.D
Acq: 26 Sep 2019 19:46

Tgt Ion	56	Resp	192797
Ion Ratio	100	Lower	Upper
89	0.0	0.1	0.1#
84	82.7	66.9	100.3





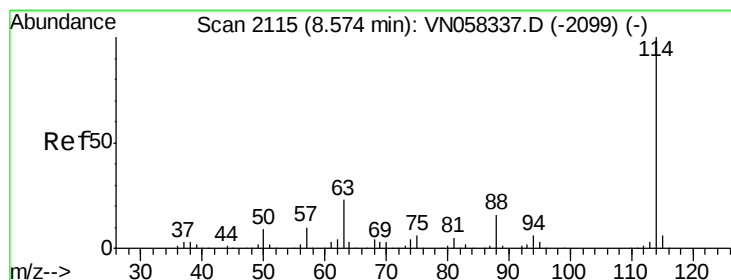
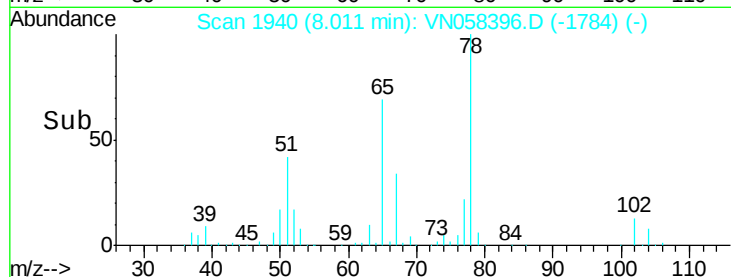
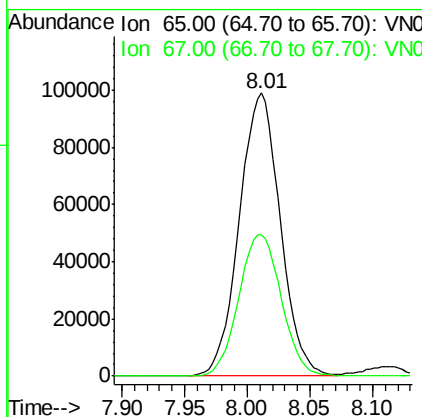
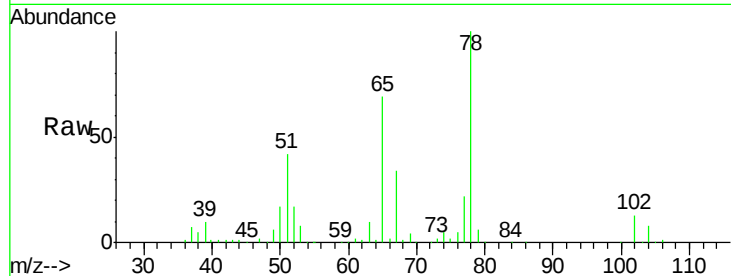
#27
 1,2-Dichloroethane-d4
 Concen: 30.959 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. 0.00 min
 Lab File: VN058396.D
 Acq: 26 Sep 2019 19:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion: 65 Resp: 225210
 Ion Ratio Lower Upper
 65 100
 67 51.9 40.4 60.6

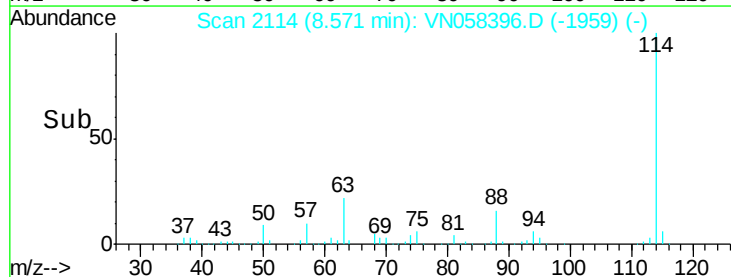
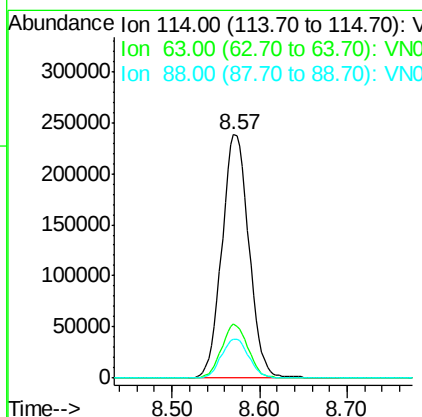
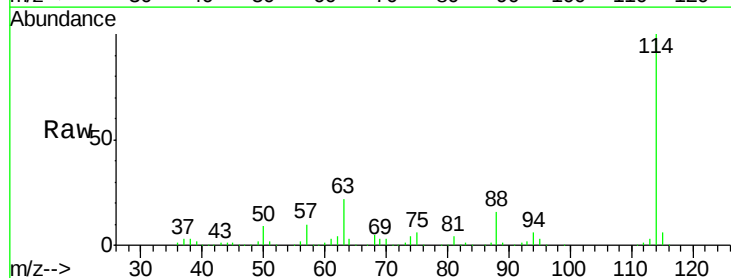
Manual Integrations
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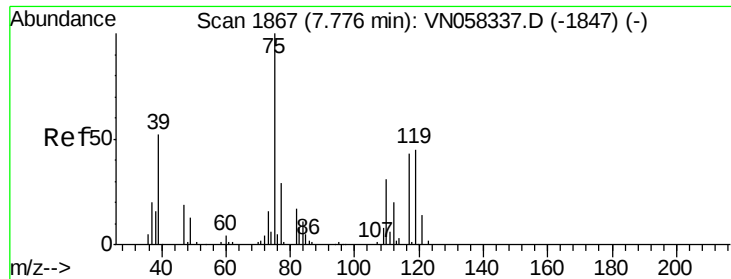
MMDadoda
 9/27/2019 11:20:17 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. -0.00 min
 Lab File: VN058396.D
 Acq: 26 Sep 2019 19:46

Tgt Ion: 114 Resp: 512034
 Ion Ratio Lower Upper
 114 100
 63 21.8 17.8 26.8
 88 16.2 12.7 19.1





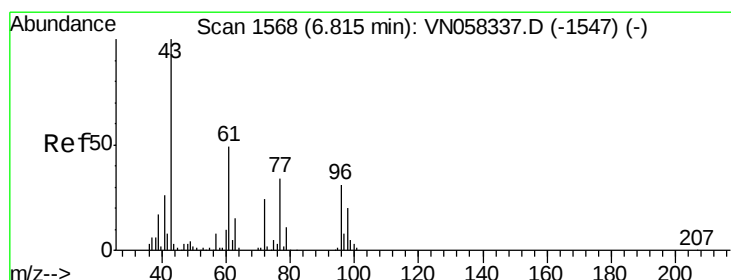
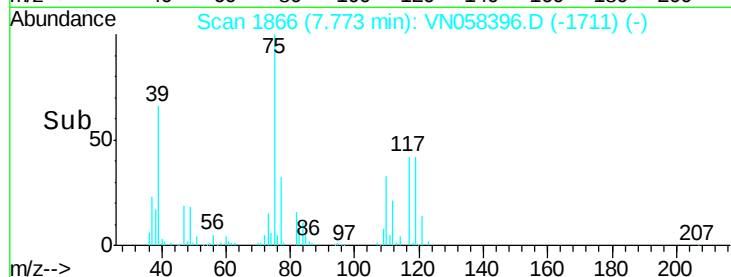
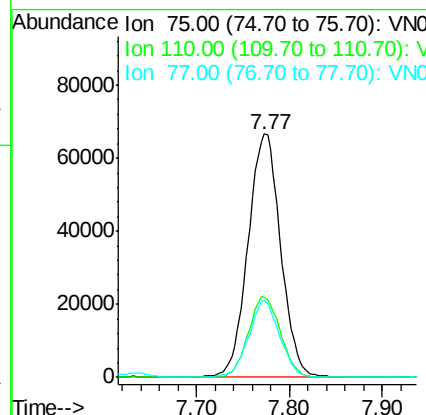
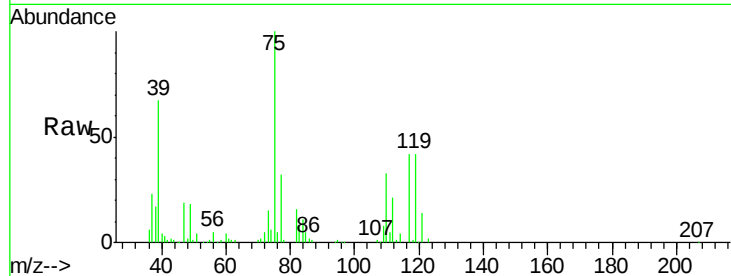
#29
 1,1-Dichloropropene
 Concen: 19.465 ug/l
 RT: 7.77 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN058396.D
 Acq: 26 Sep 2019 19:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
75	100	162691		
110	32.4	0.0	63.6	
77	30.1	0.0	59.4	

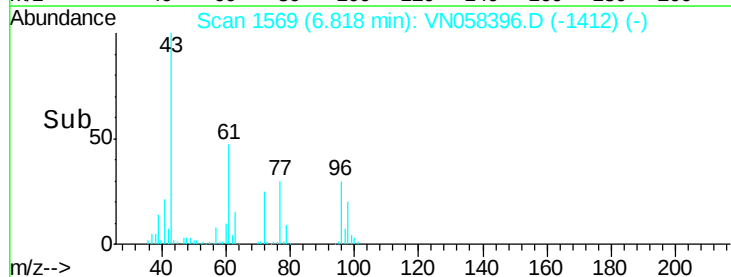
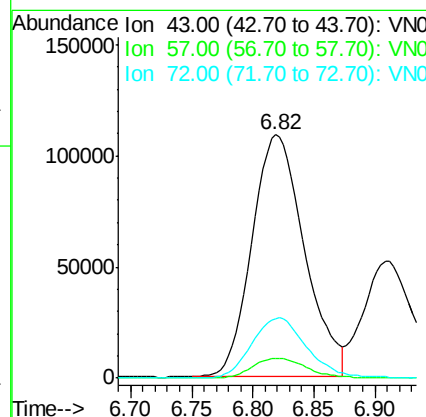
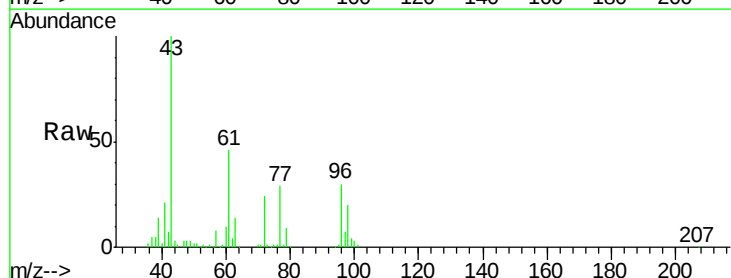
Manual Integrations
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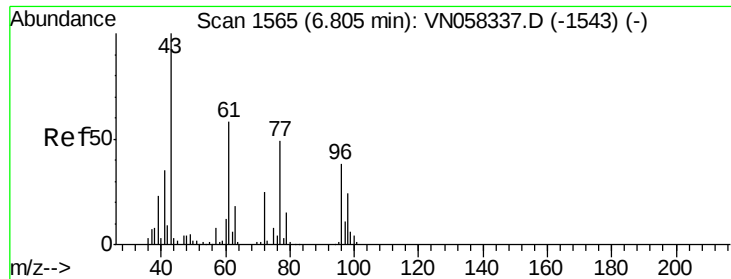
MMDadoda
 9/27/2019 11:20:17 AM



#30
 2-Butanone
 Concen: 85.934 ug/l
 RT: 6.82 min Scan# 1569
 Delta R.T. 0.00 min
 Lab File: VN058396.D
 Acq: 26 Sep 2019 19:46

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	326124		
57	8.4	6.2	9.4	
72	26.2	20.3	30.5	





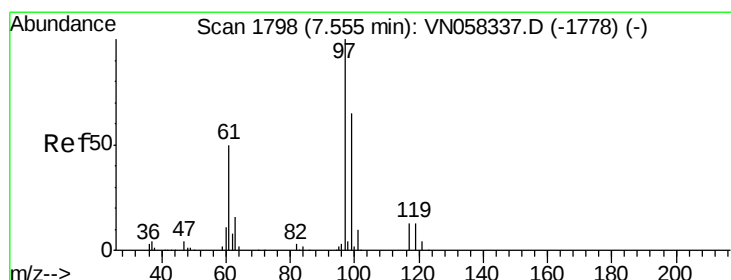
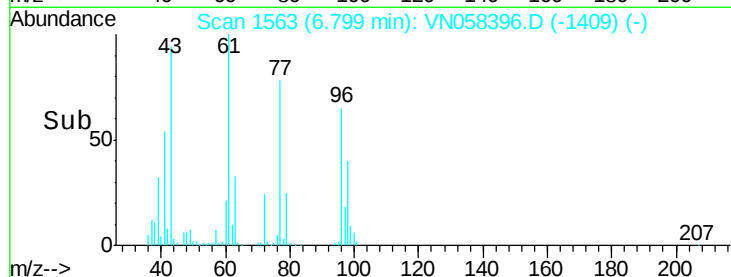
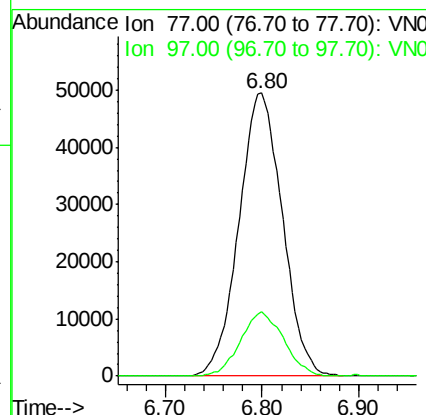
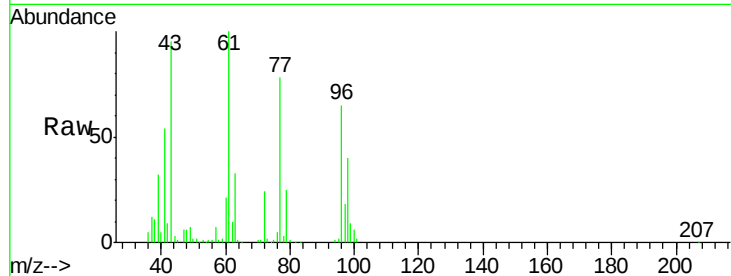
#31
 2,2-Dichloropropane
 Concen: 17.970 ug/l
 RT: 6.80 min Scan# 1563
 Delta R.T. -0.01 min
 Lab File: VN058396.D
 Acq: 26 Sep 2019 19:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion: 77 Resp: 154629
 Ion Ratio Lower Upper
 77 100
 97 22.6 17.6 26.4

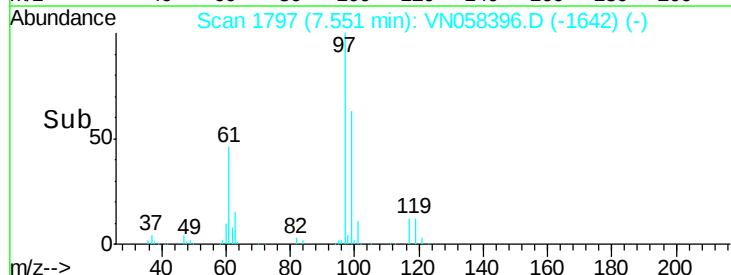
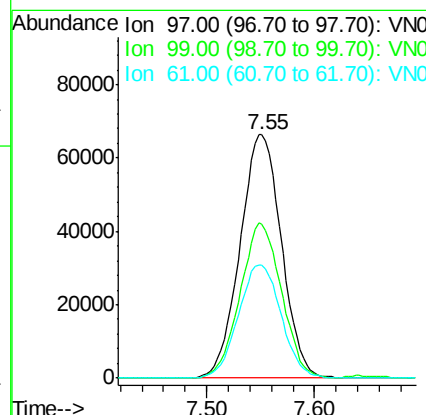
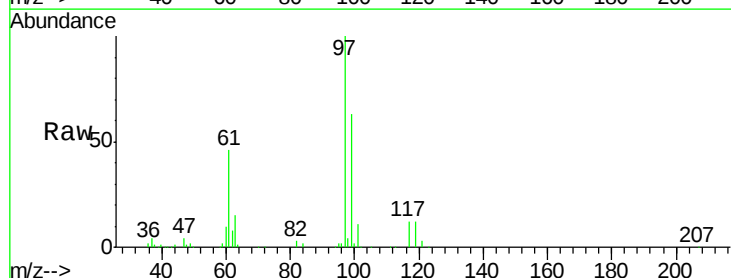
Manual Integrations
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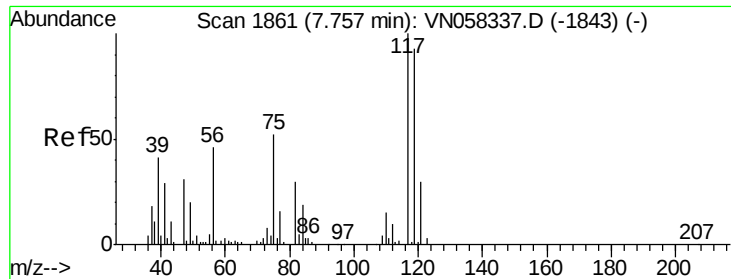
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#32
 1,1,1-Trichloroethane
 Concen: 19.663 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. -0.00 min
 Lab File: VN058396.D
 Acq: 26 Sep 2019 19:46

Tgt Ion: 97 Resp: 177258
 Ion Ratio Lower Upper
 97 100
 99 63.6 51.8 77.6
 61 48.0 39.4 59.2





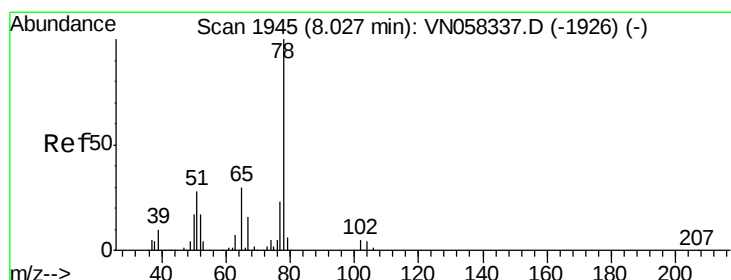
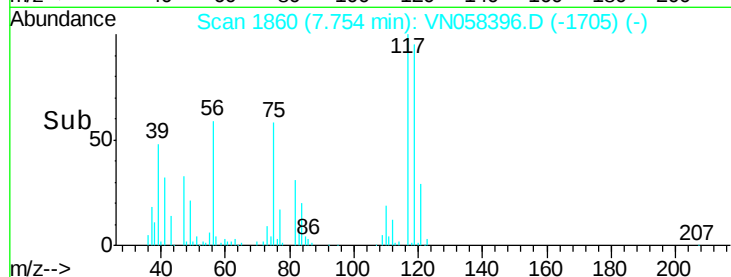
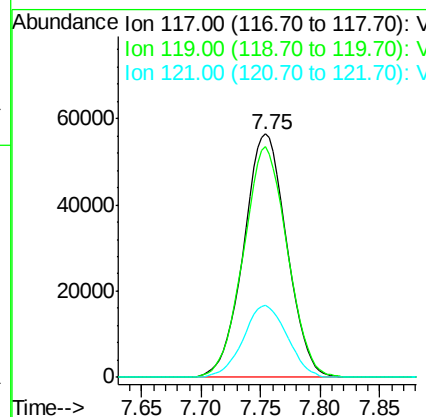
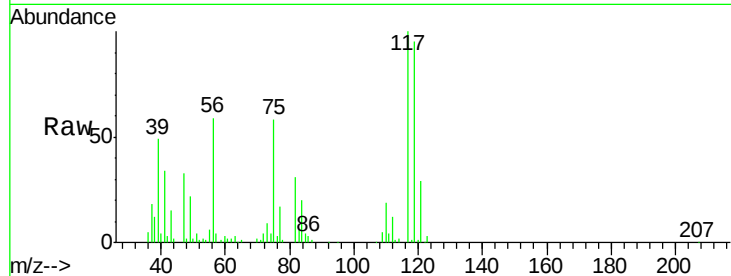
#33
Carbon Tetrachloride
Concen: 18.496 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VN058396.D
Acq: 26 Sep 2019 19:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
117	100		
119	94.9	74.2	111.4
121	29.4	23.9	35.9

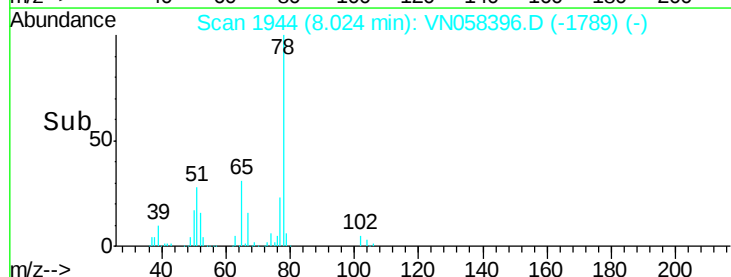
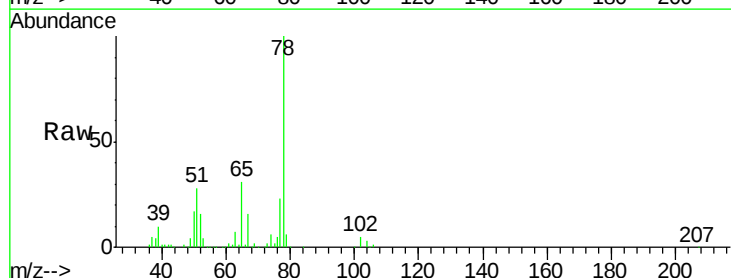
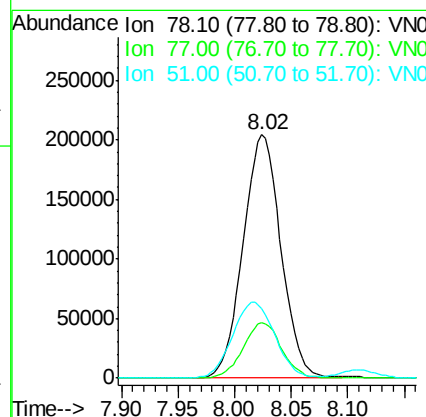
Manual Integrations
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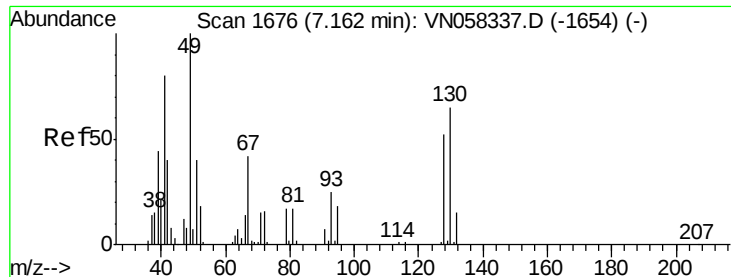
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#34
Benzene
Concen: 20.102 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. -0.00 min
Lab File: VN058396.D
Acq: 26 Sep 2019 19:46

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.9	18.8	28.2
51	28.2	22.4	33.6





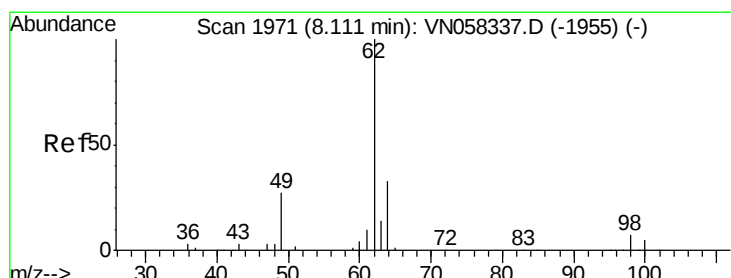
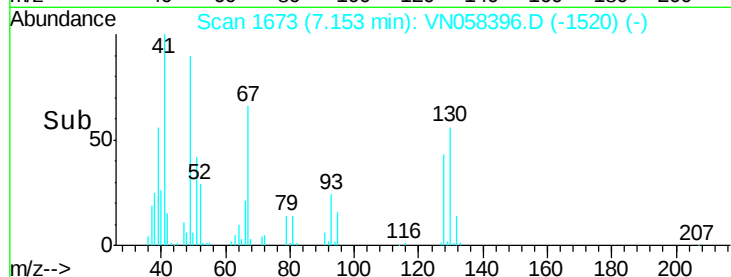
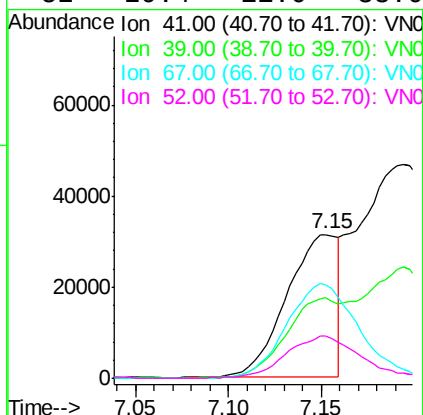
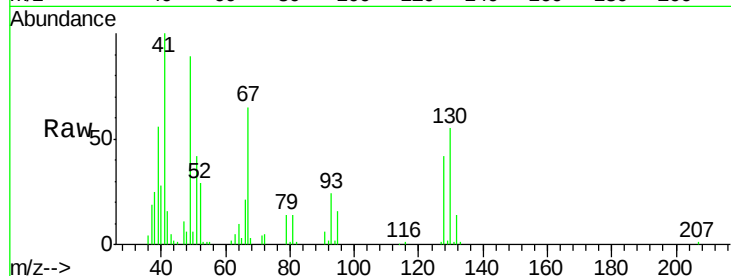
#35
Methacrylonitrile
Concen: 18.417 ug/l
RT: 7.15 min Scan# 1673
Delta R.T. -0.01 min
Lab File: VN058396.D
Acq: 26 Sep 2019 19:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	41	Resp	60118
Ion	Ratio	Lower	Upper
41	100		
39	56.5	27.3	81.9
67	66.3	26.3	78.9
52	29.4	11.0	33.0

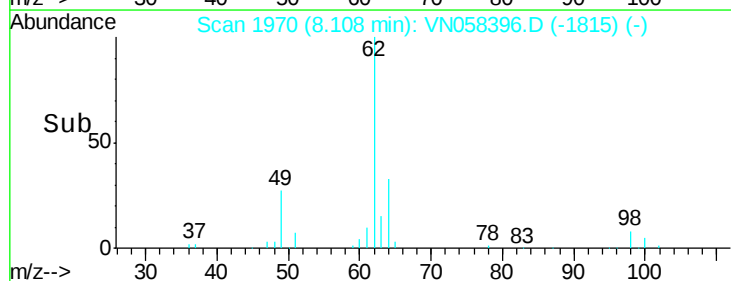
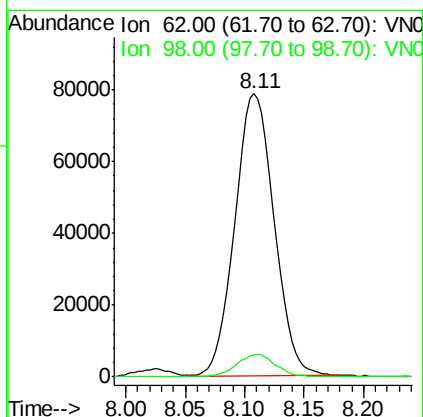
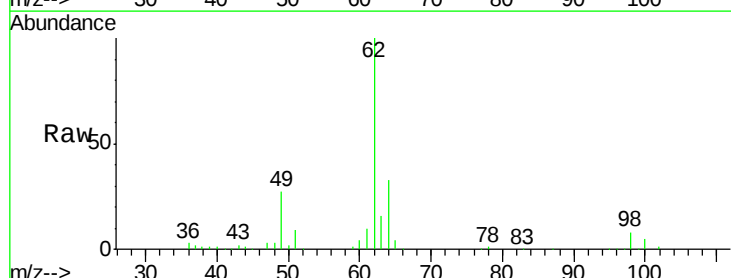
Manual Integrations
APPROVED

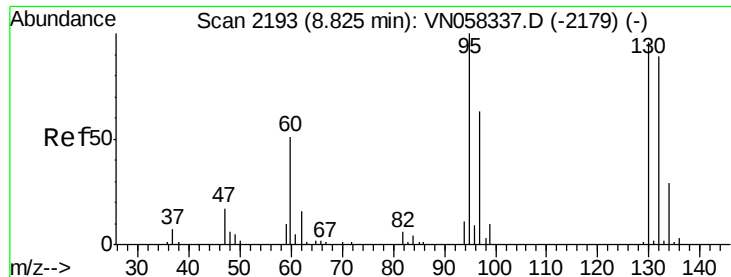
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#36
1,2-Dichloroethane
Concen: 19.443 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VN058396.D
Acq: 26 Sep 2019 19:46

Tgt Ion	62	Resp	180583
Ion	Ratio	Lower	Upper
62	100		
98	8.0	6.0	9.0





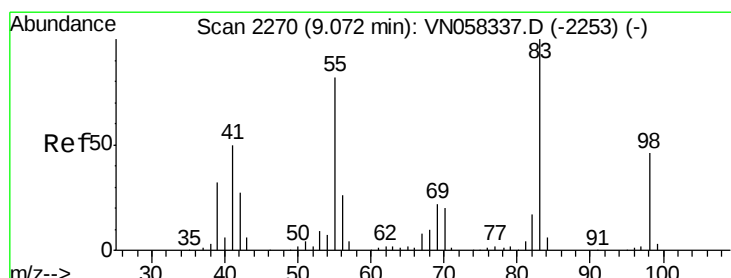
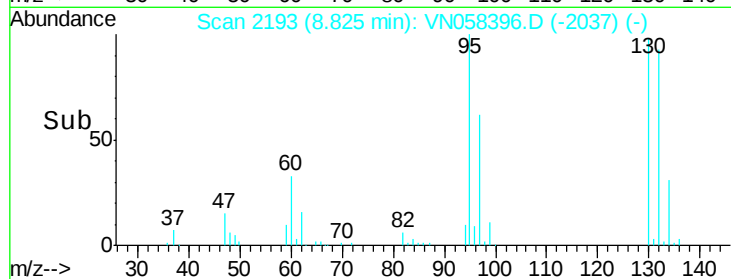
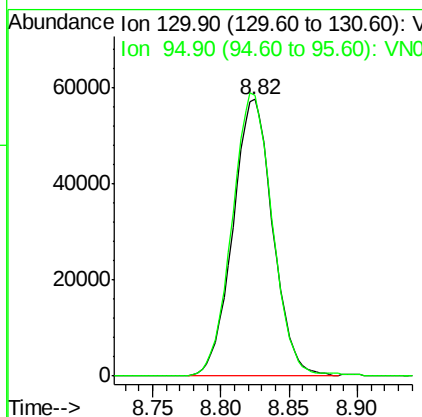
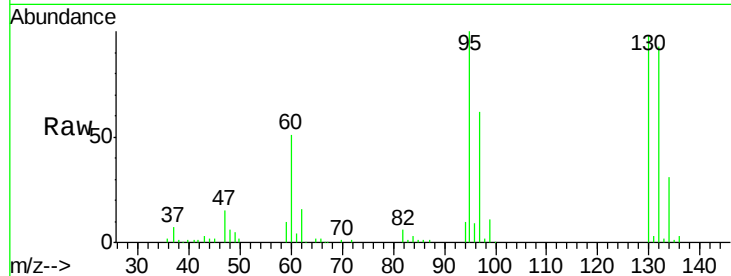
#37
 Trichloroethene
 Concen: 19.728 ug/l
 RT: 8.82 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VN058396.D
 Acq: 26 Sep 2019 19:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion:130 Resp: 117102
 Ion Ratio Lower Upper
 130 100
 95 101.3 83.3 124.9

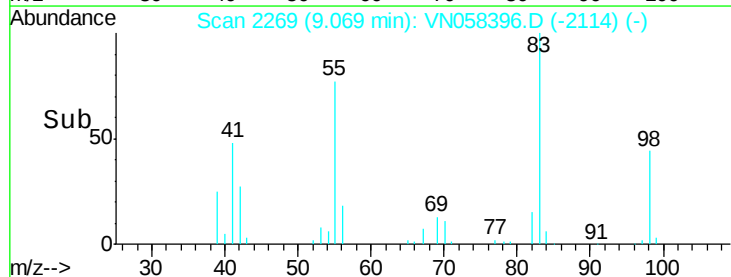
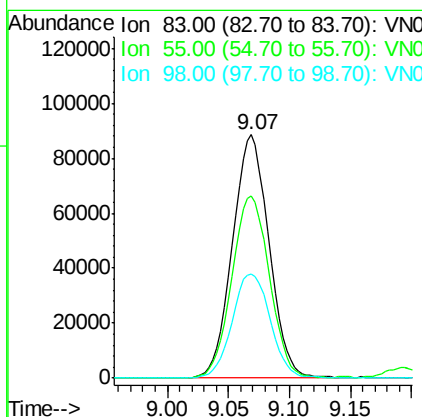
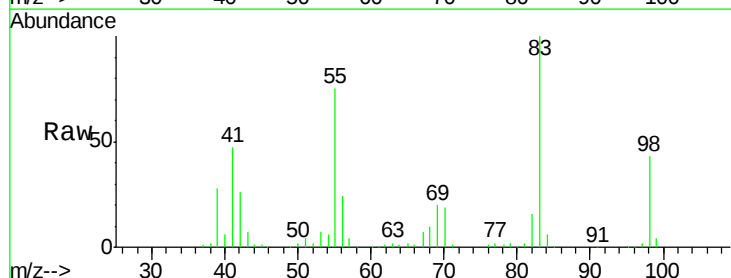
Manual Integrations
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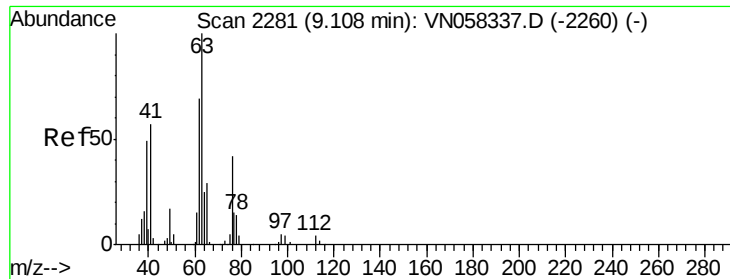
MMDadoda
 9/27/2019 11:20:17 AM



#38
 Methylcyclohexane
 Concen: 18.233 ug/l
 RT: 9.07 min Scan# 2269
 Delta R.T. -0.00 min
 Lab File: VN058396.D
 Acq: 26 Sep 2019 19:46

Tgt Ion: 83 Resp: 184274
 Ion Ratio Lower Upper
 83 100
 55 77.0 40.5 121.4
 98 44.6 23.1 69.2





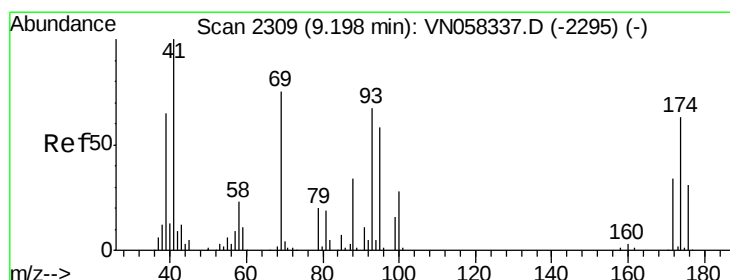
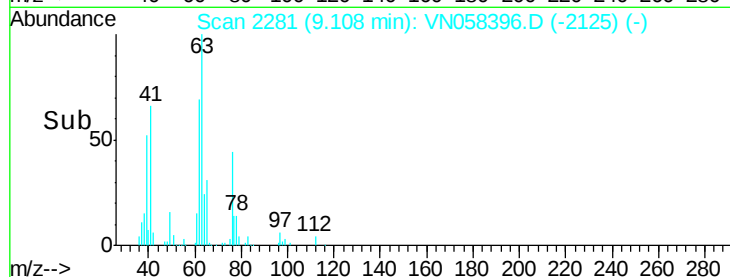
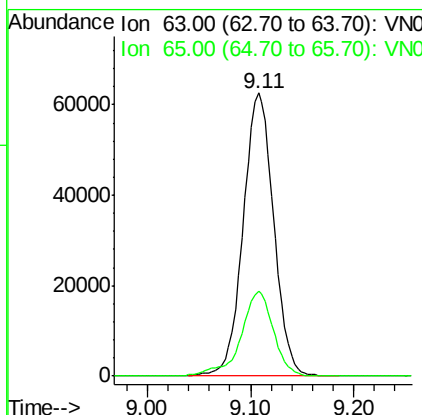
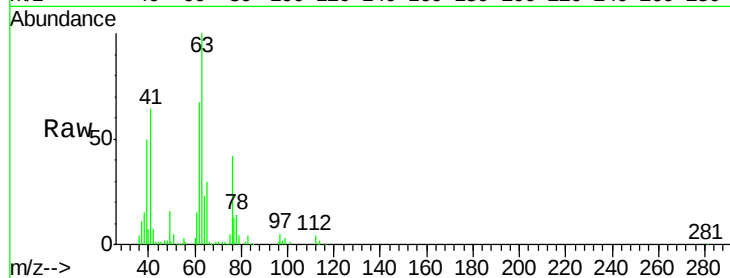
#39
 1,2-Dichloropropane
 Concen: 19.924 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. 0.00 min
 Lab File: VN058396.D
 Acq: 26 Sep 2019 19:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.9	23.4	35.0

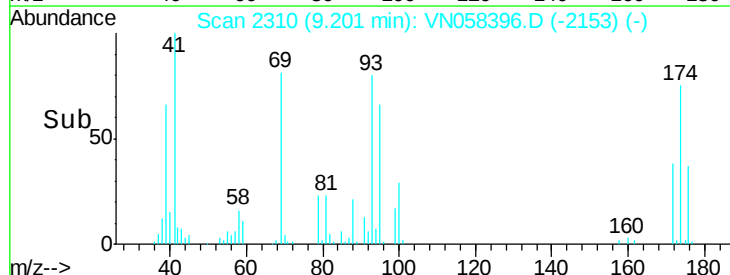
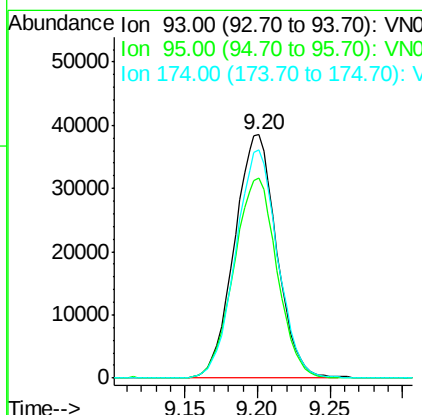
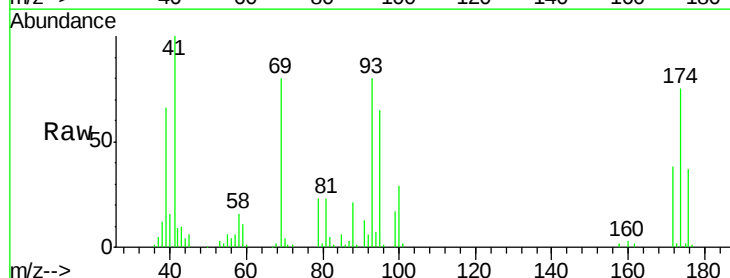
Manual Integrations
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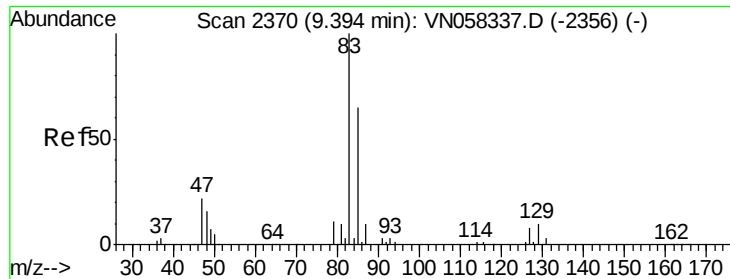
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#40
 Dibromomethane
 Concen: 19.032 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN058396.D
 Acq: 26 Sep 2019 19:46

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.9	0.0	166.8
174	93.4	0.0	187.2





#41

Bromodichloromethane

Concen: 18.375 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN058396.D

Acq: 26 Sep 2019 19:46

Instrument :

MSVOA_N

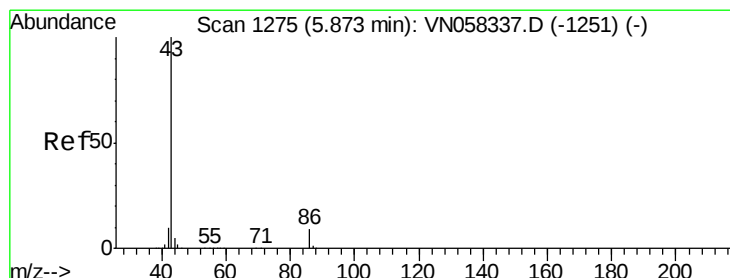
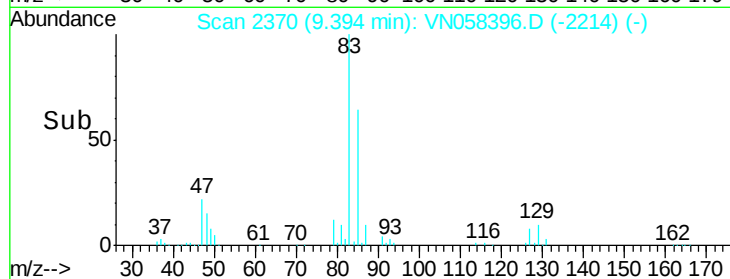
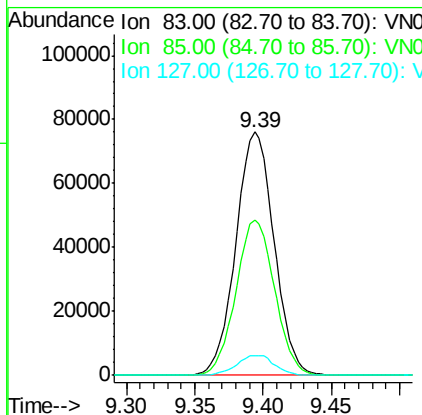
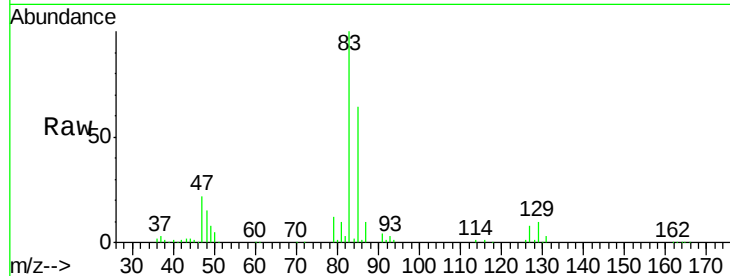
ClientSampleId :

VSTDCCC020EC

Tot Ion:	83	Resp:	148246
Ion	Ratio	Lower	Upper
83	100		
85	63.8	52.0	78.0
127	8.3	6.1	9.1

Manual Integrations
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#42

Vinyl Acetate

Concen: 105.776 ug/l

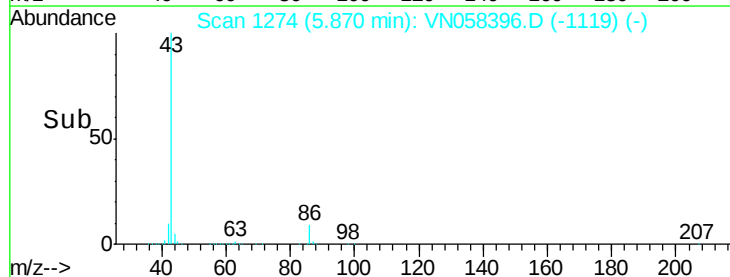
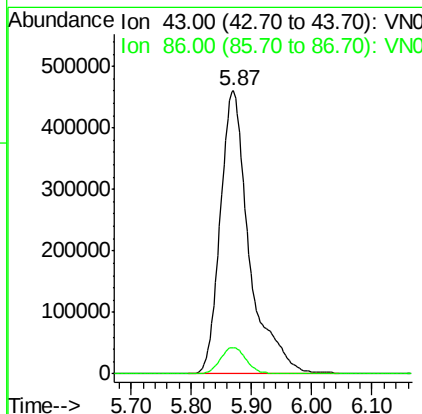
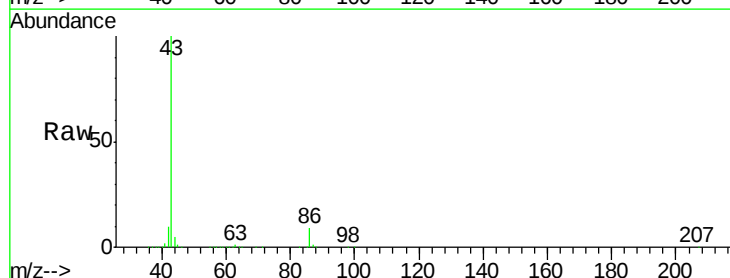
RT: 5.87 min Scan# 1274

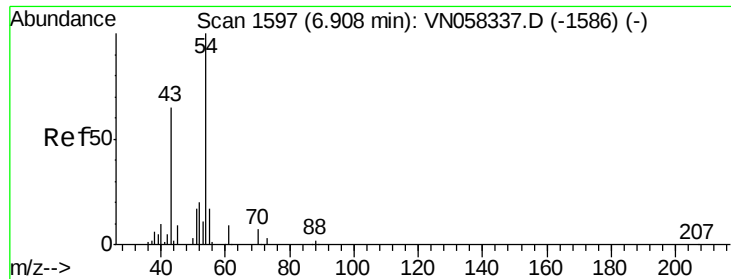
Delta R.T. -0.00 min

Lab File: VN058396.D

Acq: 26 Sep 2019 19:46

Tgt Ion:	43	Resp:	1532715
Ion	Ratio	Lower	Upper
43	100		
86	8.3	6.6	9.8





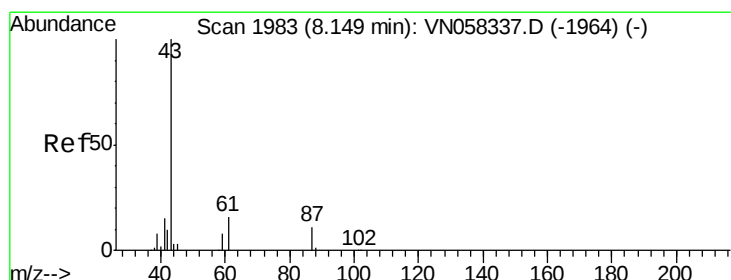
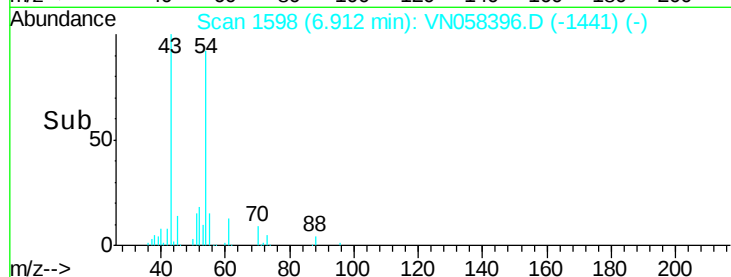
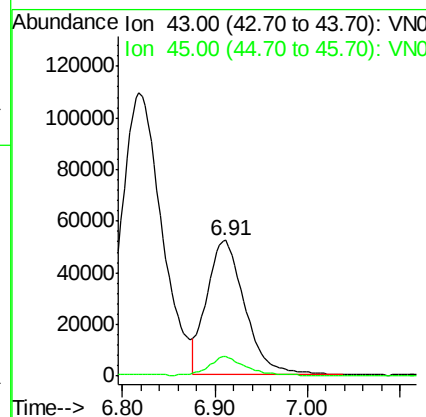
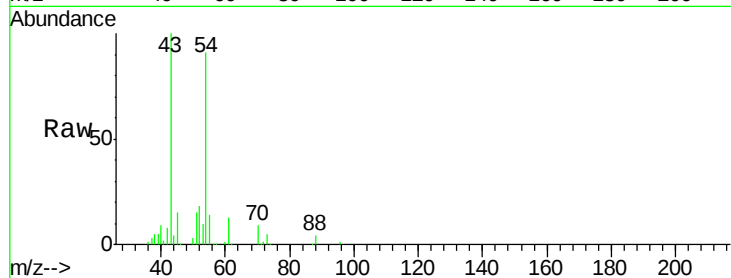
#43
Ethyl Acetate
Concen: 19.632 ug/l
RT: 6.91 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VN058396.D
Acq: 26 Sep 2019 19:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	43	Ratio	Lower	Upper
147931	100			
45	12.5	9.8	14.6	

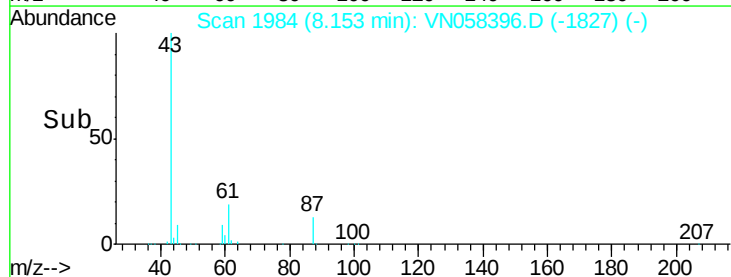
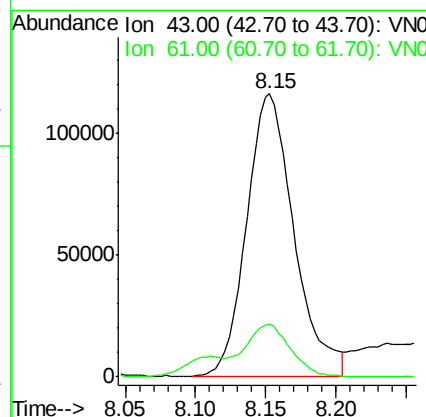
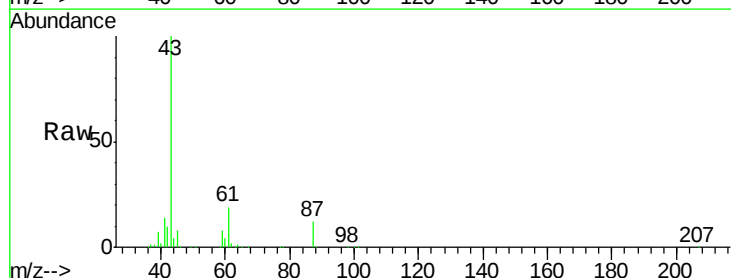
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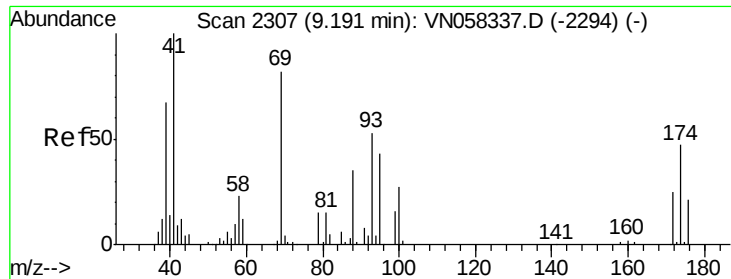
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#44
Isopropyl Acetate
Concen: 20.201 ug/l
RT: 8.15 min Scan# 1984
Delta R.T. 0.00 min
Lab File: VN058396.D
Acq: 26 Sep 2019 19:46

Tgt Ion	43	Ratio	Lower	Upper
272485	100			
61	16.6	14.4	21.6	





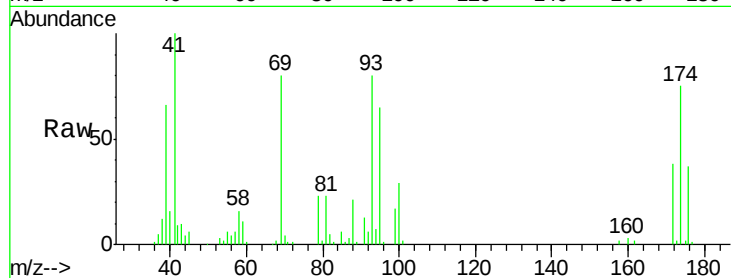
#45
1,4-Dioxane
Concen: 205.608 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.01 min
Lab File: VN058396.D
Acq: 26 Sep 2019 19:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

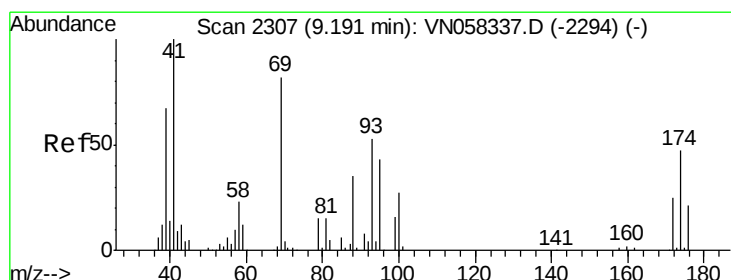
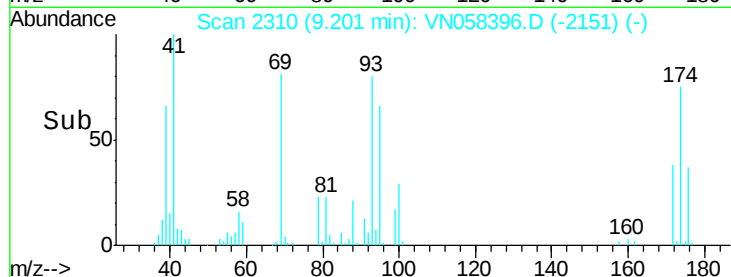
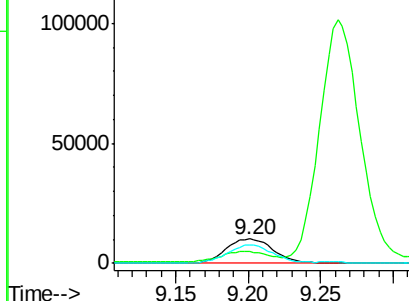
Tot Ion	Ratio	Lower	Upper
88	100		
43	40.5	27.2	40.8
58	72.3	55.4	83.0

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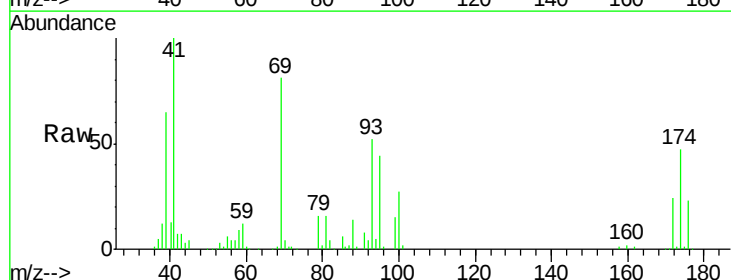


Abundance Ion 88.00 (87.70 to 88.70): VNO
Ion 43.00 (42.70 to 43.70): VNO
Ion 58.00 (57.70 to 58.70): VNO

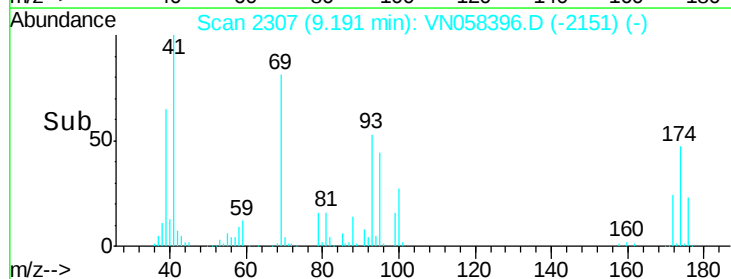
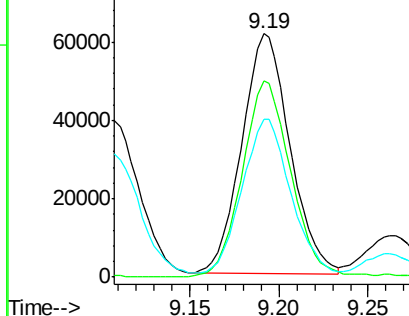


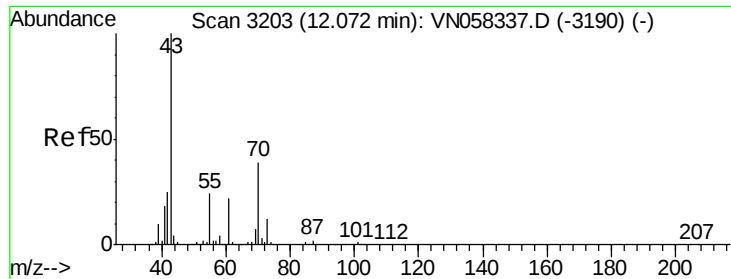
#46
Methyl methacrylate
Concen: 18.028 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. 0.00 min
Lab File: VN058396.D
Acq: 26 Sep 2019 19:46

Tgt Ion	Ratio	Lower	Upper
41	100		
69	81.9	40.9	122.7
39	63.8	33.6	100.6



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





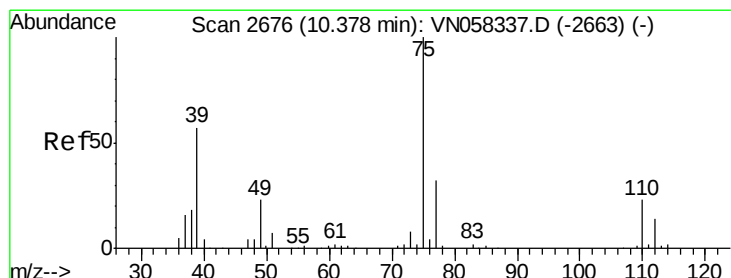
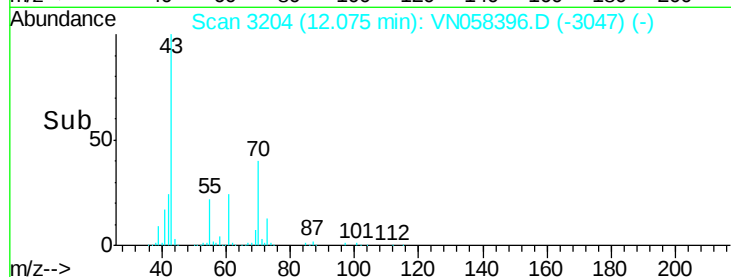
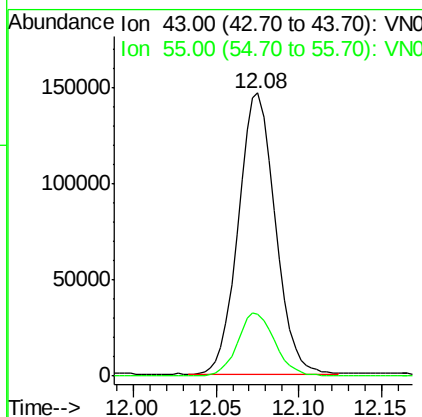
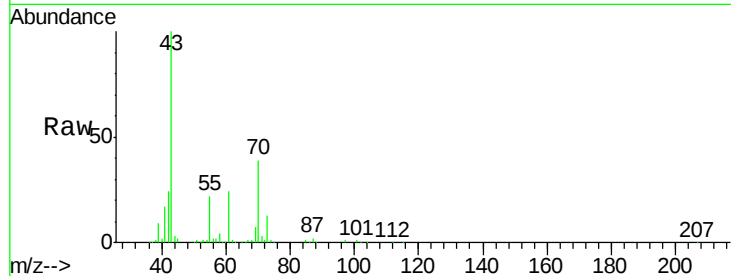
#47
n-amvl Acetate
Concen: 19.252 ug/l
RT: 12.08 min Scan# 3204
Delta R.T. 0.00 min
Lab File: VN058396.D
Acq: 26 Sep 2019 19:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion: 43 Resp: 226036
Ion Ratio Lower Upper
43 100
55 22.9 19.0 28.4

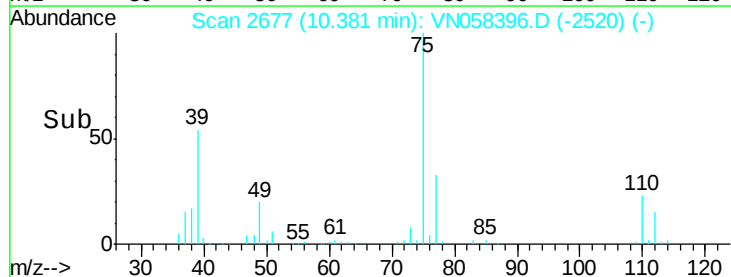
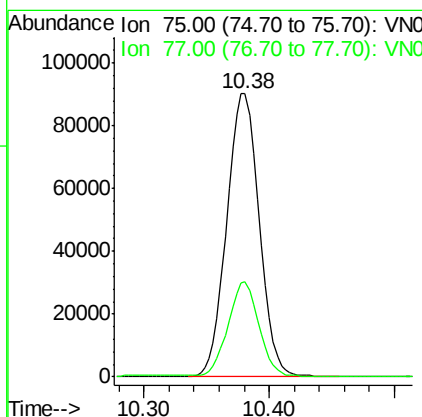
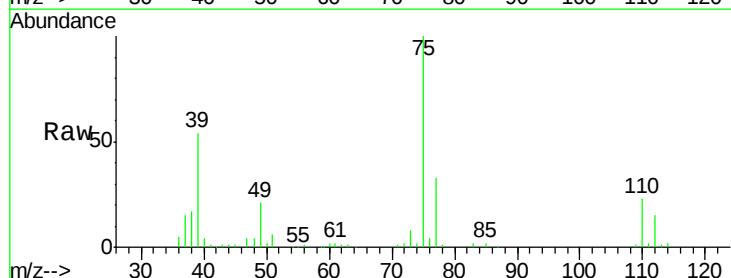
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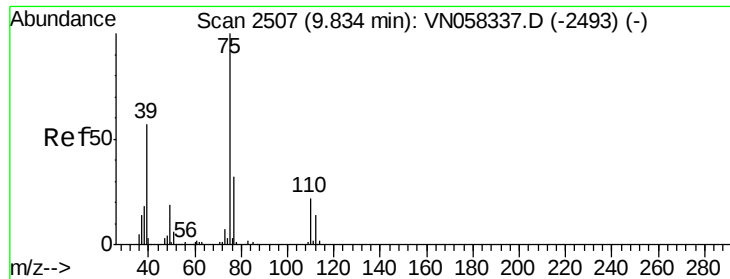
MMDadoda
9/27/2019 11:20:17 AM



#48
t-1,3-Dichloropropene
Concen: 18.437 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN058396.D
Acq: 26 Sep 2019 19:46

Tgt Ion: 75 Resp: 162540
Ion Ratio Lower Upper
75 100
77 33.3 25.4 38.0





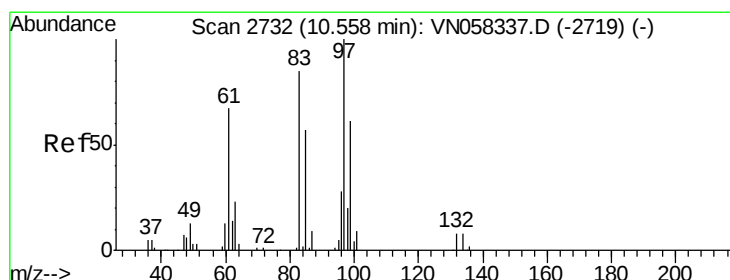
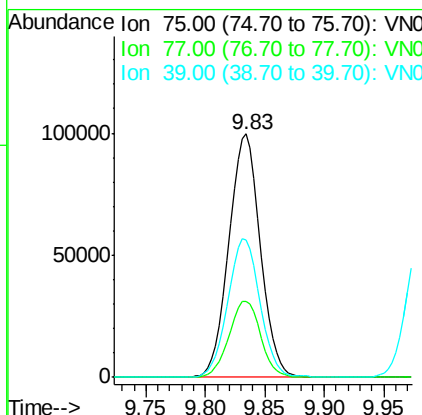
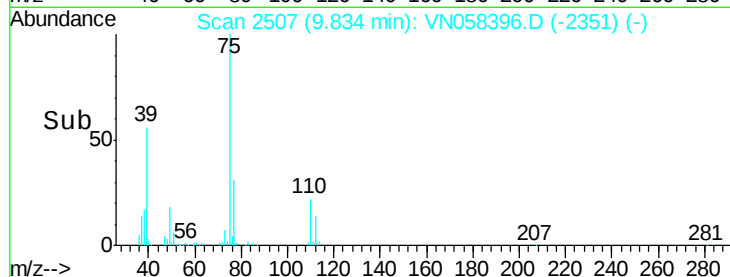
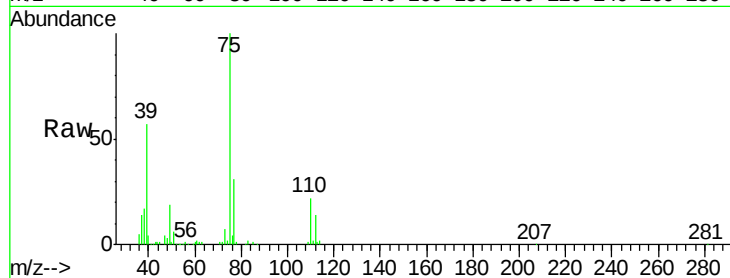
#49
 cis-1,3-Dichloropropene
 Concen: 18.601 ug/l
 RT: 9.83 min Scan# 2507
 Delta R.T. 0.00 min
 Lab File: VN058396.D
 Acq: 26 Sep 2019 19:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.2	37.8
39	56.3	45.8	68.6

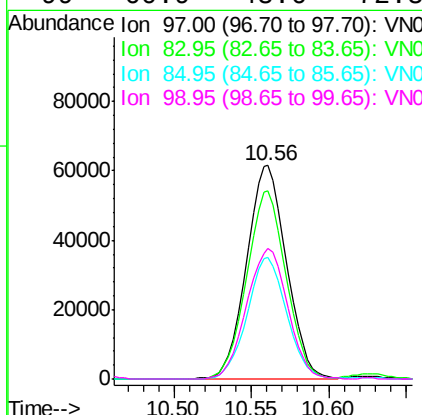
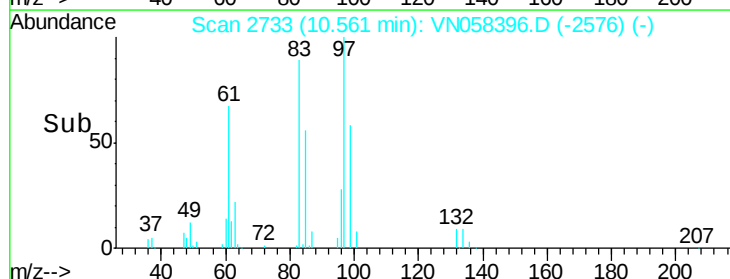
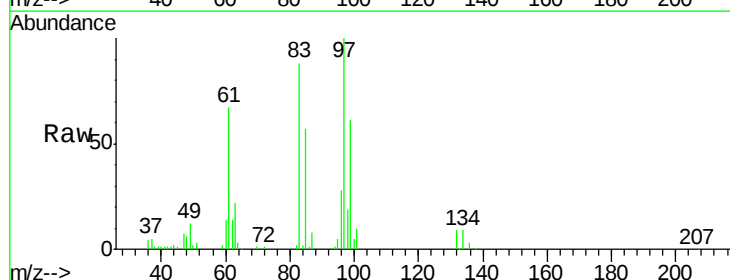
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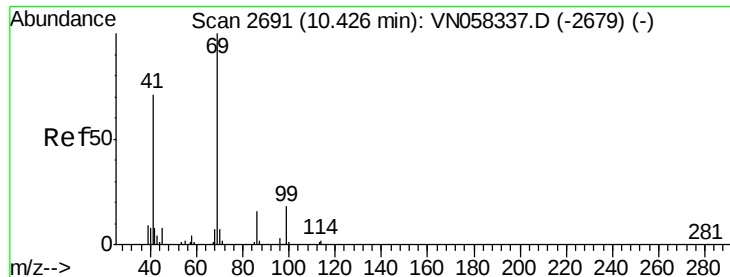
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#50
 1,1,2-Trichloroethane
 Concen: 19.420 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN058396.D
 Acq: 26 Sep 2019 19:46

Tgt Ion	Ratio	Lower	Upper
97	100		
83	88.3	67.8	101.6
85	56.8	45.8	68.6
99	60.9	48.6	72.8





#51

Ethyl methacrylate

Concen: 18.522 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN058396.D

Acq: 26 Sep 2019 19:46

Instrument :

MSVOA_N

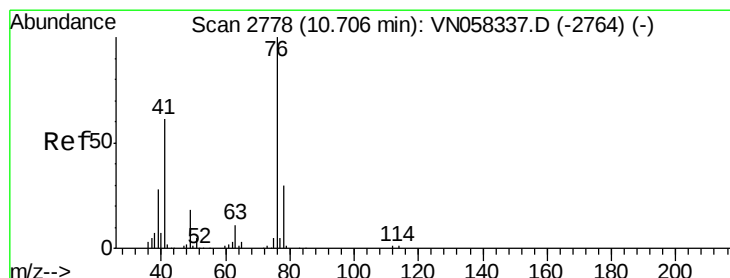
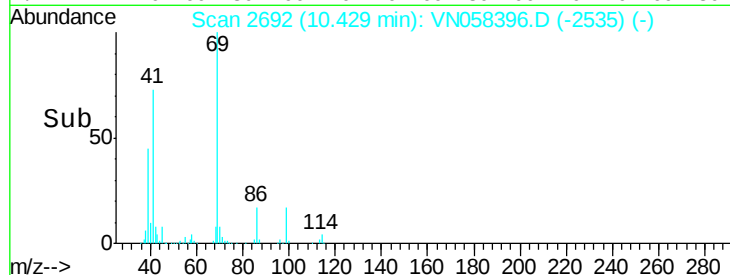
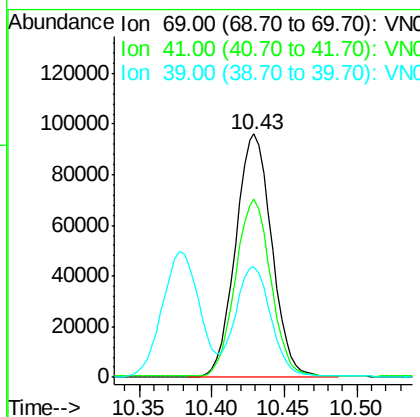
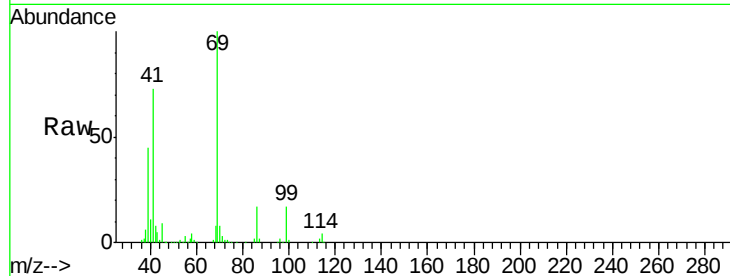
ClientSampleId :

VSTDCCC020EC

Tot Ion:	69	Resp:	167171
Ion	Ratio	Lower	Upper
69	100		
41	72.5	35.4	106.1
39	44.7	23.5	70.5

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#52

1,3-Dichloropropane

Concen: 19.268 ug/l

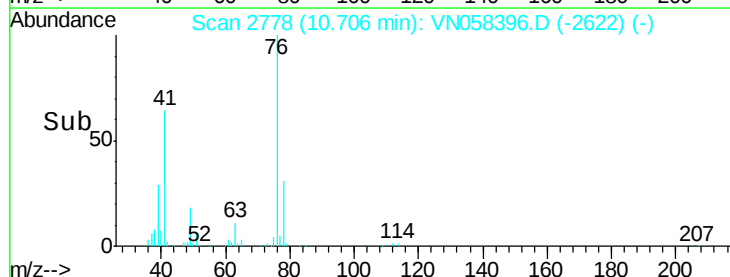
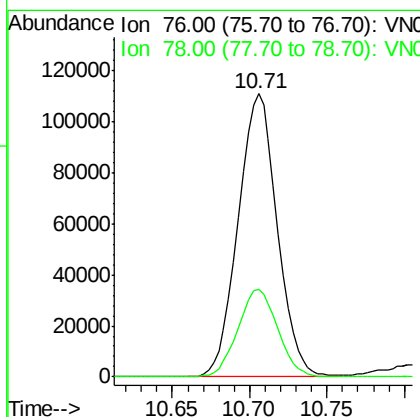
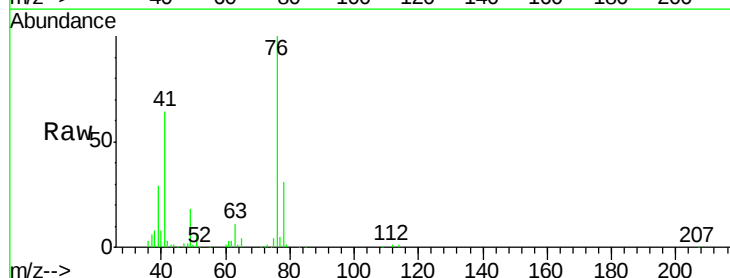
RT: 10.71 min Scan# 2778

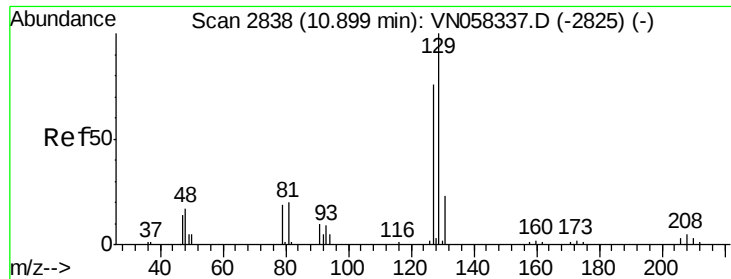
Delta R.T. 0.00 min

Lab File: VN058396.D

Acq: 26 Sep 2019 19:46

Tgt Ion:	76	Resp:	195213
Ion	Ratio	Lower	Upper
76	100		
78	31.5	0.0	63.0





#53

Dibromochloromethane

Concen: 18.180 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN058396.D

Acq: 26 Sep 2019 19:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion:129 Resp: 104191

Ion Ratio Lower Upper

129 100

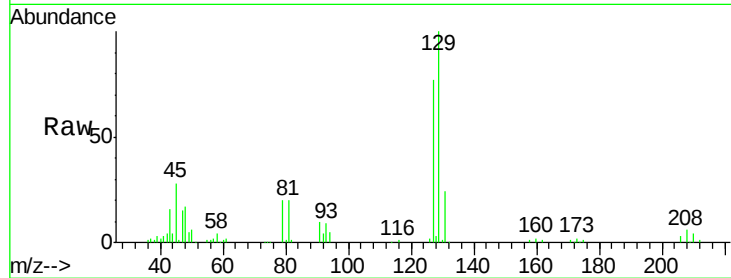
127 76.8 38.4 115.2

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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

60000

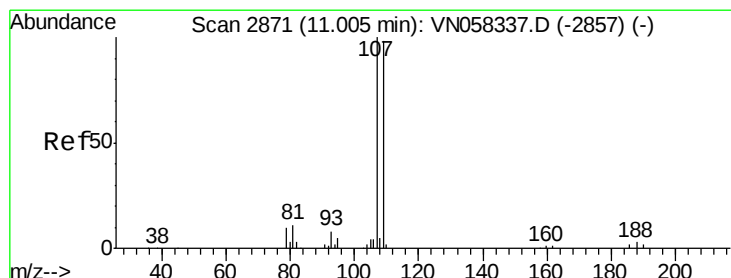
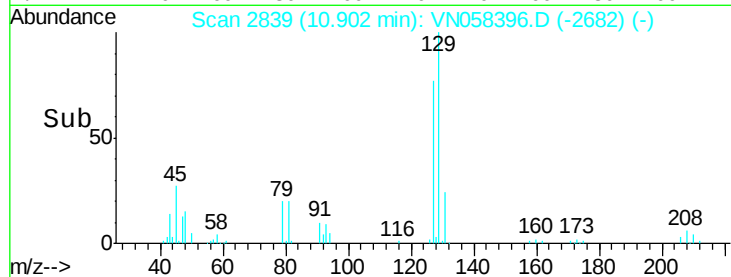
40000

20000

0

10.85 10.90 10.95

Time-->



#54

1,2-Dibromoethane

Concen: 19.256 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN058396.D

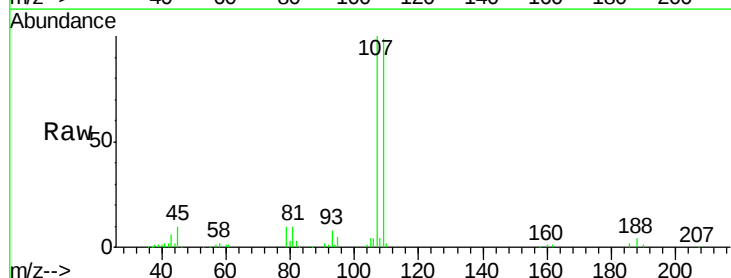
Acq: 26 Sep 2019 19:46

Tgt Ion:107 Resp: 112099

Ion Ratio Lower Upper

107 100

109 94.9 76.5 114.7



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

60000

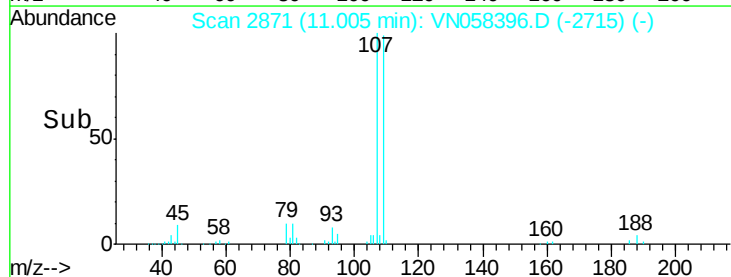
40000

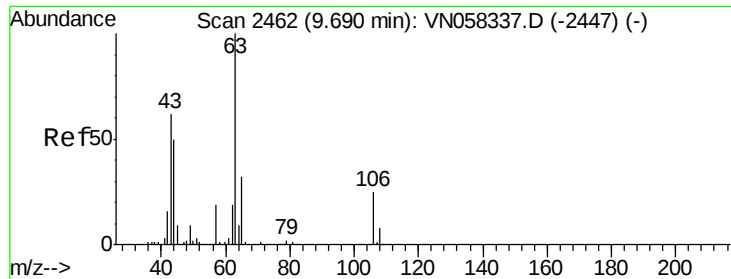
20000

0

10.95 11.00 11.05

Time-->





#55

2-Chloroethyl vinyl ether

Concen: 100.504 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. -0.00 min

Lab File: VN058396.D

Acq: 26 Sep 2019 19:46

Instrument :

MSVOA_N

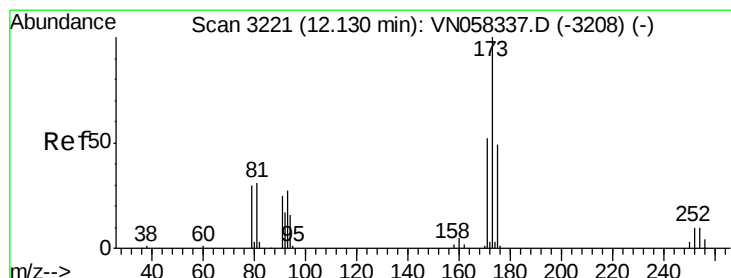
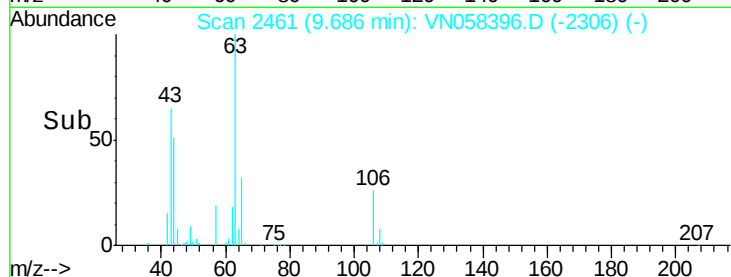
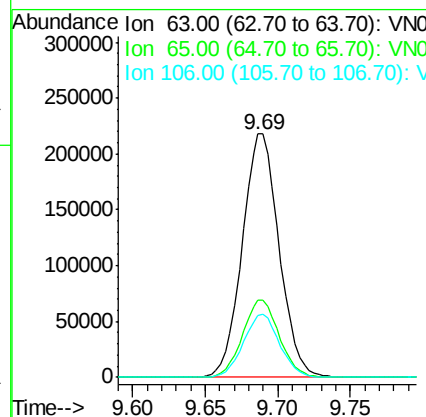
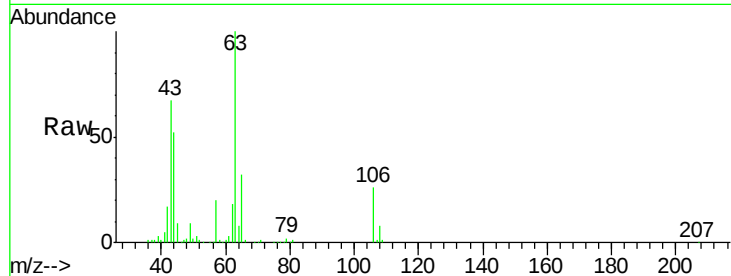
ClientSampleId :

VSTDCCC020EC

Tot Ion:	63	Resp:	384103
Ion	Ratio	Lower	Upper
63	100		
65	31.6	25.4	38.2
106	25.5	20.4	30.6

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#56

Bromoform

Concen: 16.334 ug/l

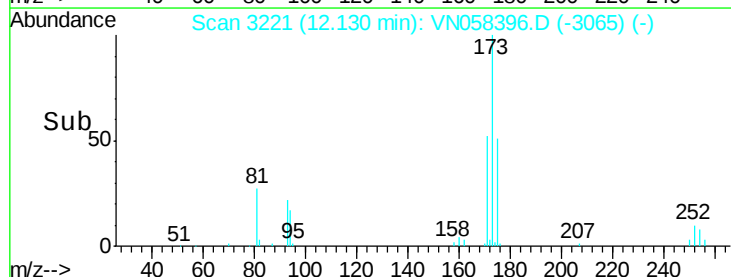
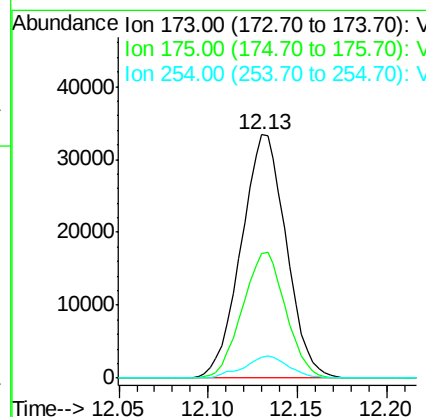
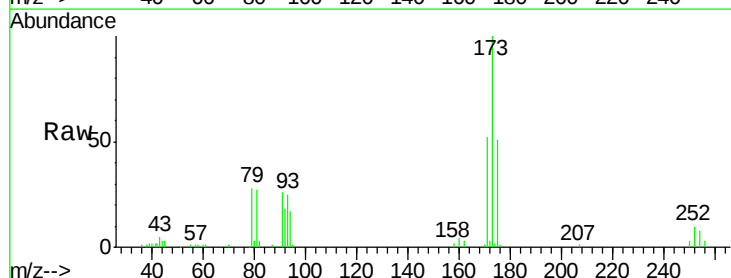
RT: 12.13 min Scan# 3221

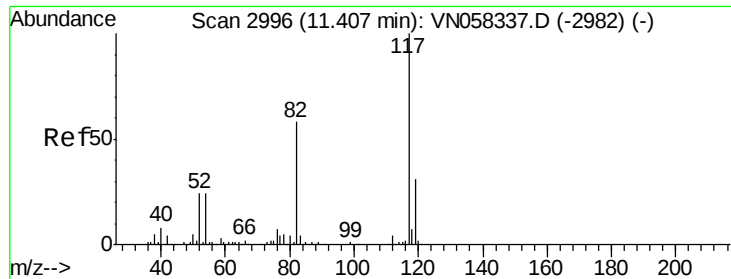
Delta R.T. 0.00 min

Lab File: VN058396.D

Acq: 26 Sep 2019 19:46

Tgt Ion:	173	Resp:	59047
Ion	Ratio	Lower	Upper
173	100		
175	49.7	38.8	58.2
254	8.9	7.8	11.8





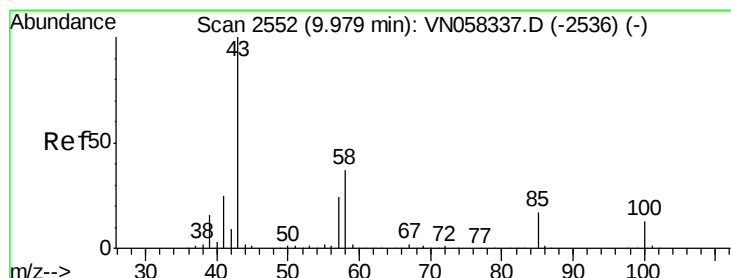
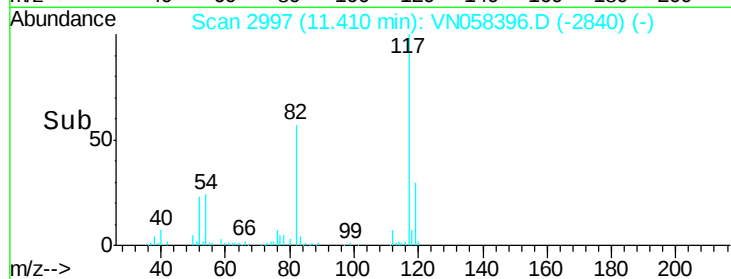
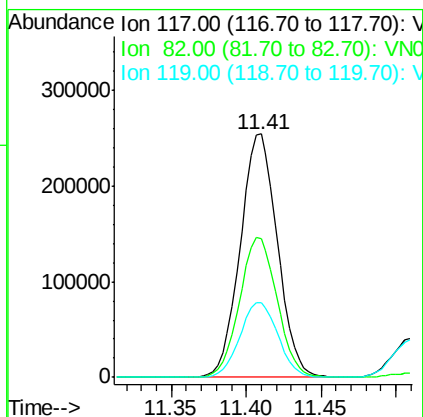
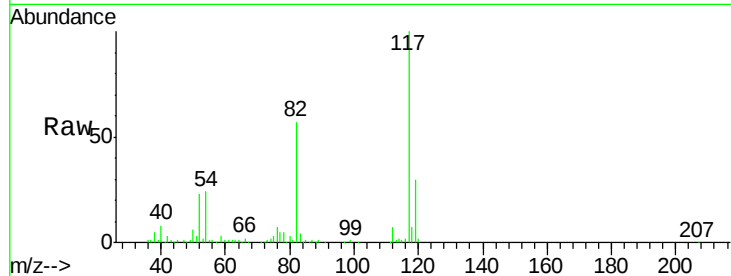
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN058396.D
Acq: 26 Sep 2019 19:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.1	46.4	69.6
119	31.3	25.1	37.7

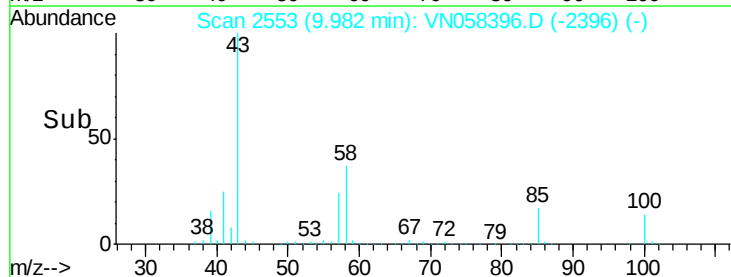
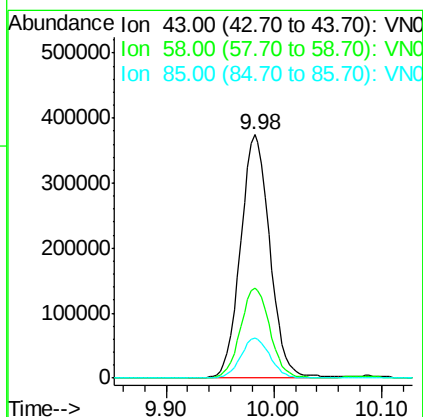
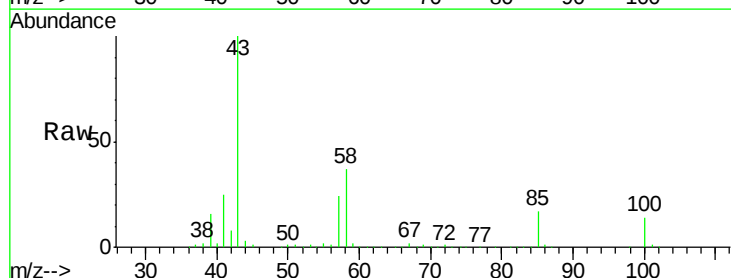
Manual Integrations
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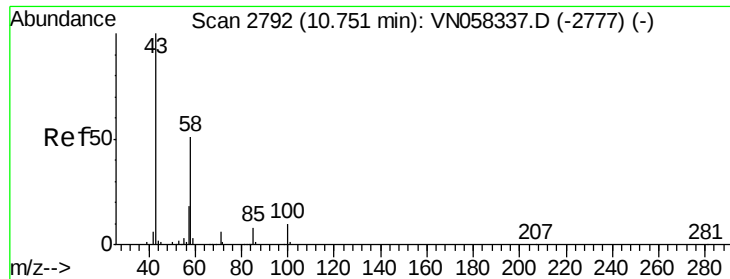
MMDadoda
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#58
4-Methyl-2-Pentanone
Concen: 102.191 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. 0.00 min
Lab File: VN058396.D
Acq: 26 Sep 2019 19:46

Tgt Ion	Ratio	Lower	Upper
43	100		
58	37.3	29.3	43.9
85	16.6	13.1	19.7





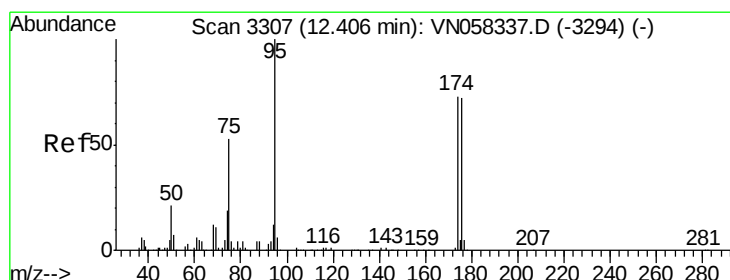
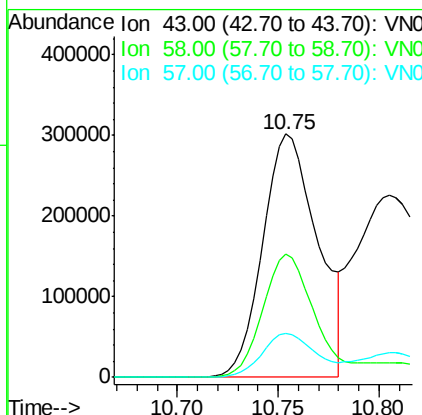
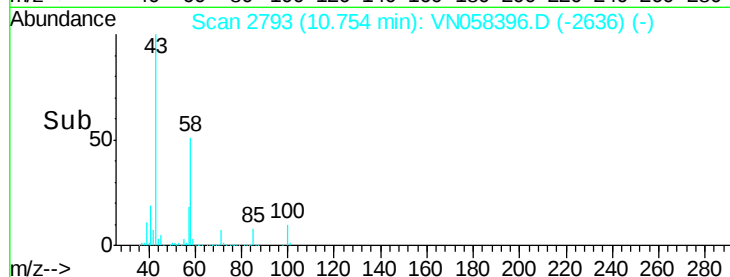
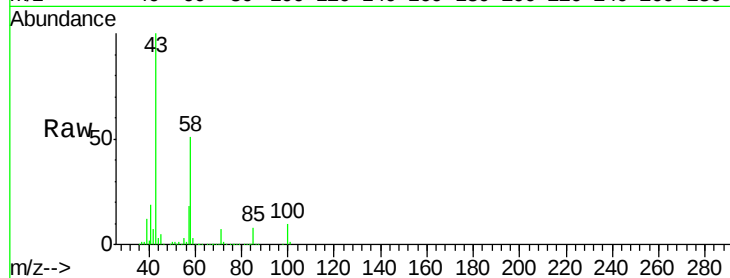
#59
2-Hexanone
Concen: 109.041 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN058396.D
Acq: 26 Sep 2019 19:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion:	43	Resp:	569296
Ion Ratio	Lower	Upper	
43	100		
58	48.2	40.7	61.1
57	17.8	14.7	22.1

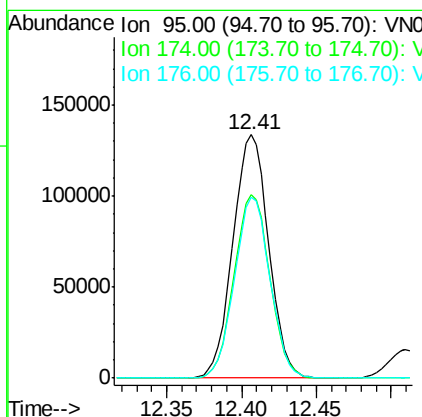
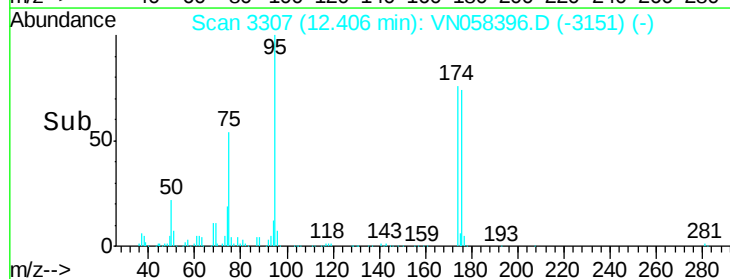
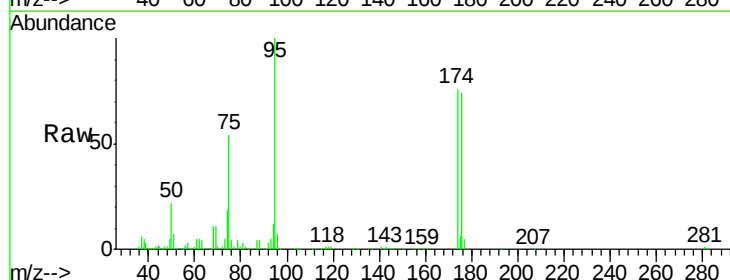
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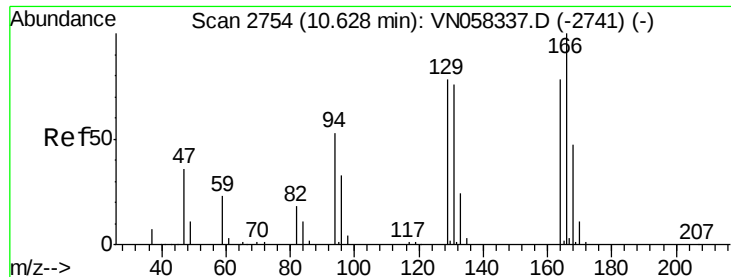
MMDadoda
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#60
4-Bromofluorobenzene
Concen: 29.177 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. 0.00 min
Lab File: VN058396.D
Acq: 26 Sep 2019 19:46

Tgt Ion:	95	Resp:	222512
Ion Ratio	Lower	Upper	
95	100		
174	75.5	59.0	88.6
176	73.9	58.2	87.2





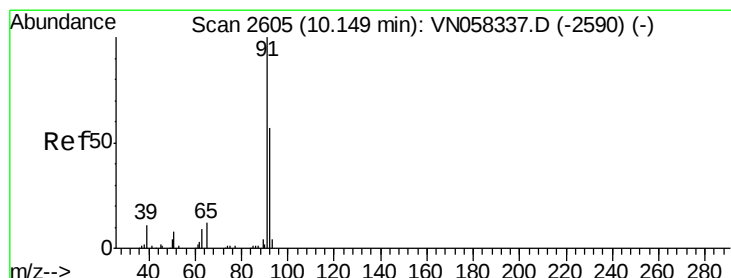
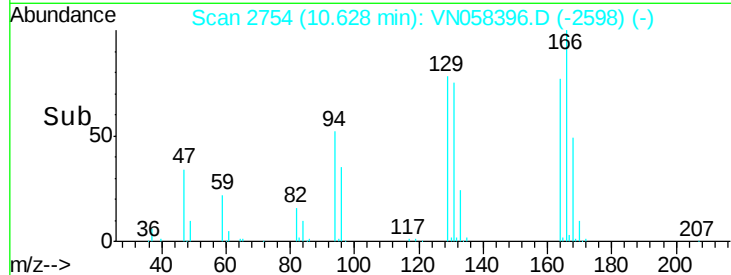
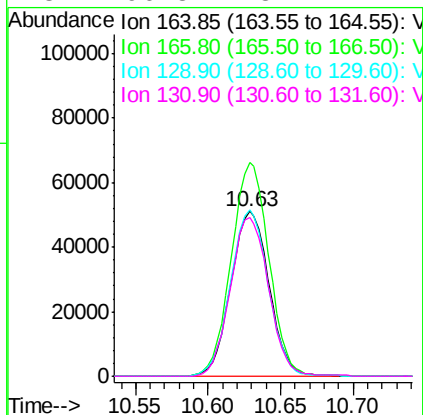
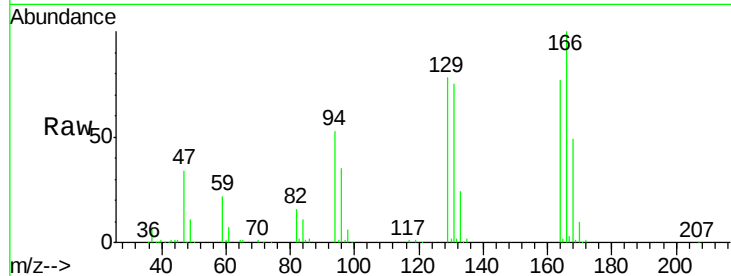
#61
Tetrachloroethene
Concen: 20.283 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN058396.D
Acq: 26 Sep 2019 19:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
164	100		
166	129.8	102.6	154.0
129	100.9	79.8	119.6
131	96.8	78.1	117.1

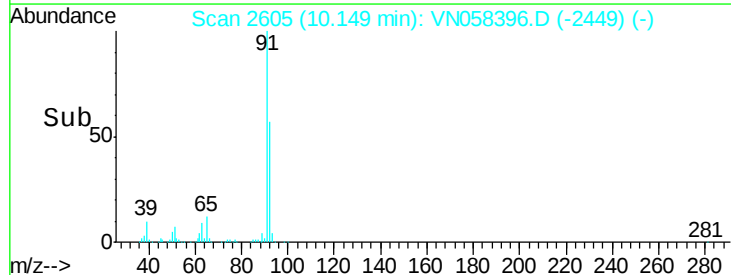
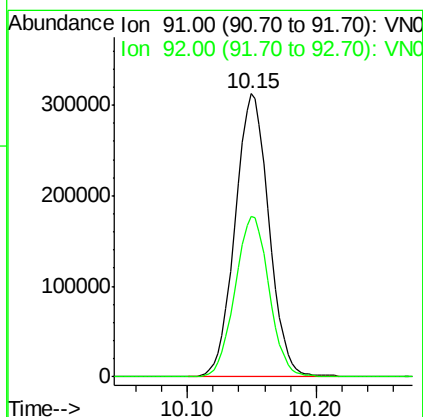
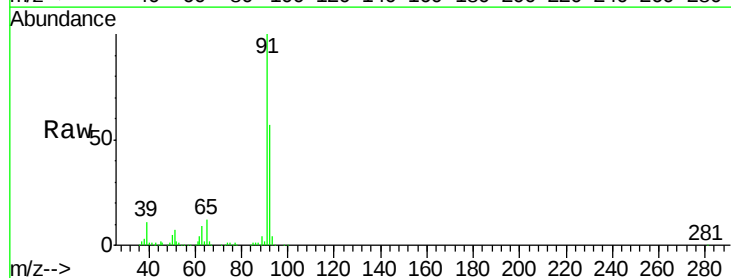
Manual Integrations
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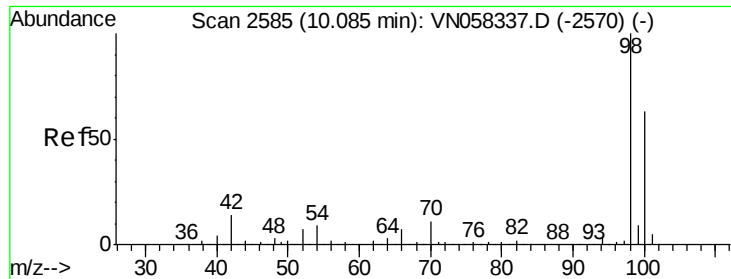
MMDadoda
9/27/2019 11:20:17 AM



#62
Toluene
Concen: 23.628 ug/l
RT: 10.15 min Scan# 2605
Delta R.T. 0.00 min
Lab File: VN058396.D
Acq: 26 Sep 2019 19:46

Tgt Ion	Ratio	Lower	Upper
91	100		
92	57.1	45.5	68.3





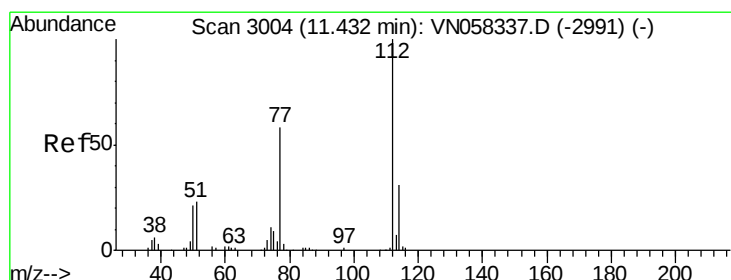
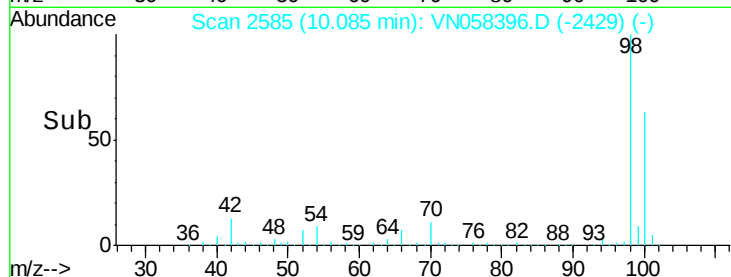
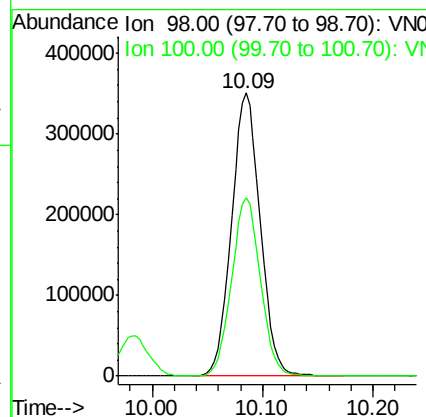
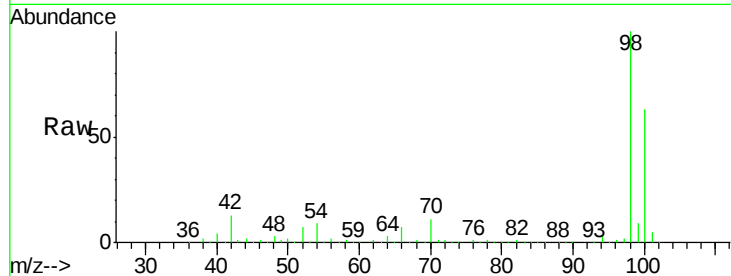
#63
Toluene-d8
Concen: 30.117 ug/l
RT: 10.09 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN058396.D
Acq: 26 Sep 2019 19:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion: 98 Resp: 633508
Ion Ratio Lower Upper
98 100
100 63.6 50.2 75.2

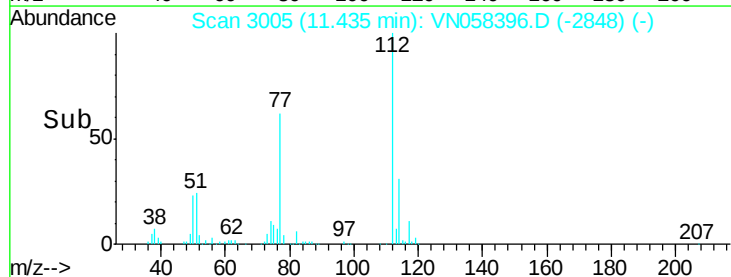
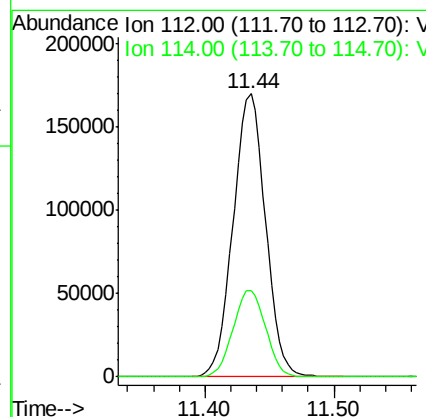
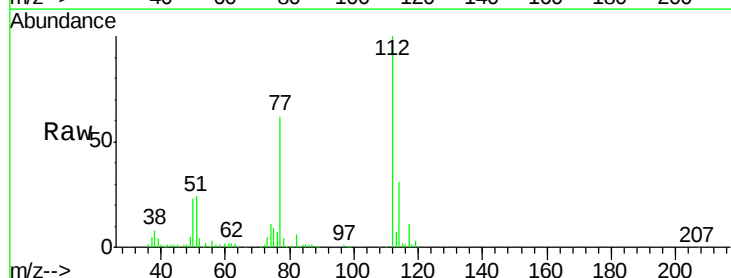
Manual Integrations
APPROVED

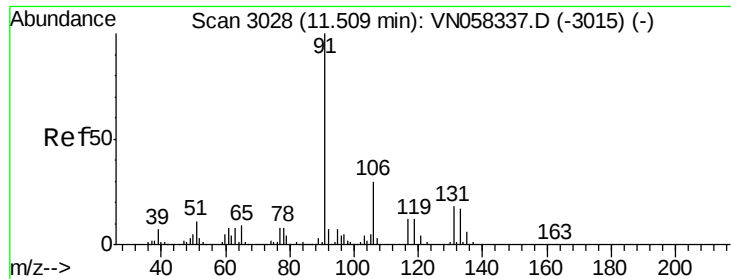
MMDadoda
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#64
Chlorobenzene
Concen: 20.012 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN058396.D
Acq: 26 Sep 2019 19:46

Tgt Ion: 112 Resp: 296852
Ion Ratio Lower Upper
112 100
114 30.6 25.1 37.7





#65

1,1,1,2-Tetrachloroethane

Concen: 19.692 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN058396.D

Acq: 26 Sep 2019 19:46

Instrument :

MSVOA_N

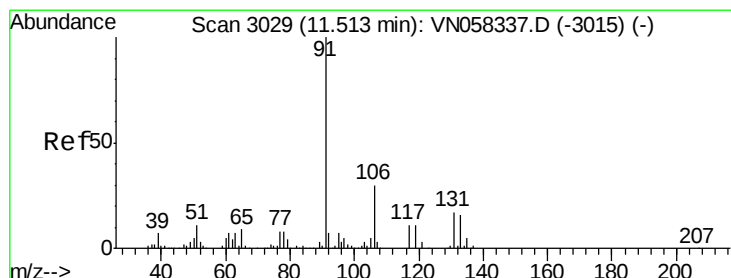
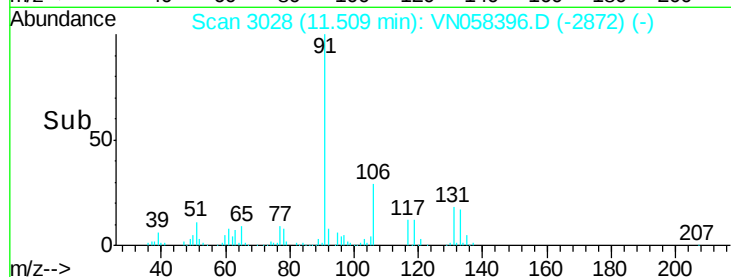
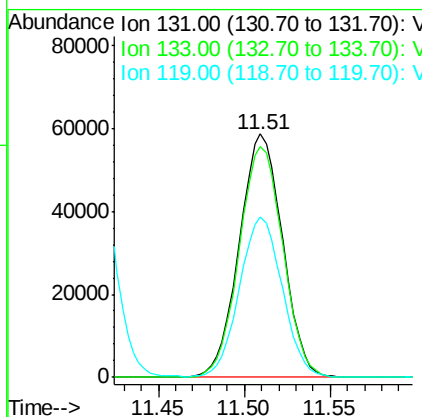
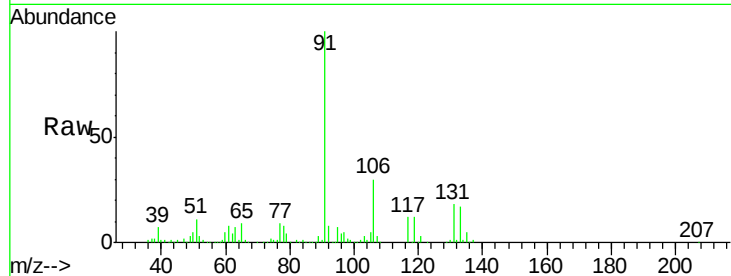
ClientSampleId :

VSTDCCC020EC

Tot Ion:	131	Resp:	102405
Ion Ratio	Lower	Upper	
131	100		
133	95.7	0.0	191.8
119	65.2	0.0	134.2

Manual Integrations
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#66

Ethyl Benzene

Concen: 21.747 ug/l

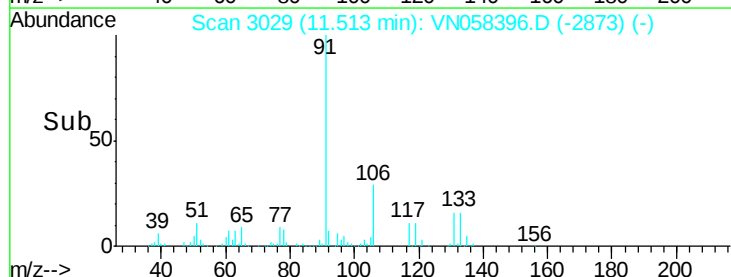
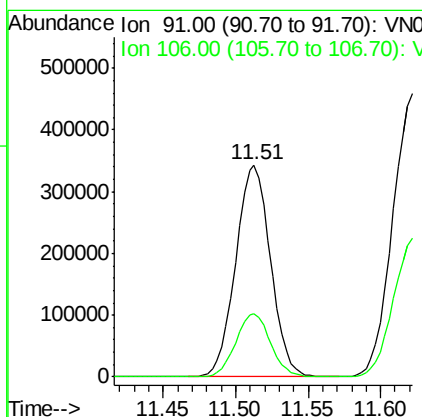
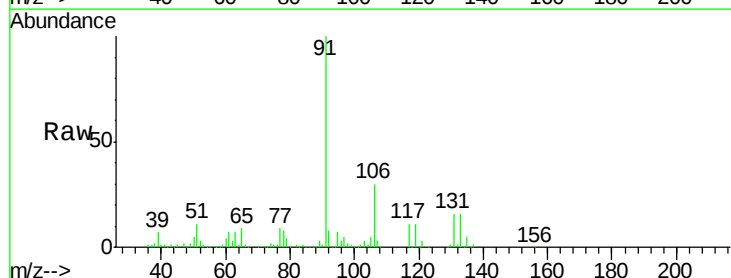
RT: 11.51 min Scan# 3029

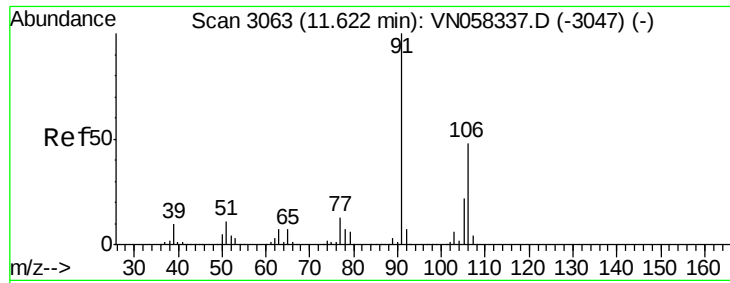
Delta R.T. 0.00 min

Lab File: VN058396.D

Acq: 26 Sep 2019 19:46

Tgt Ion:	91	Resp:	572424
Ion Ratio	Lower	Upper	
91	100		
106	29.7	24.2	36.4





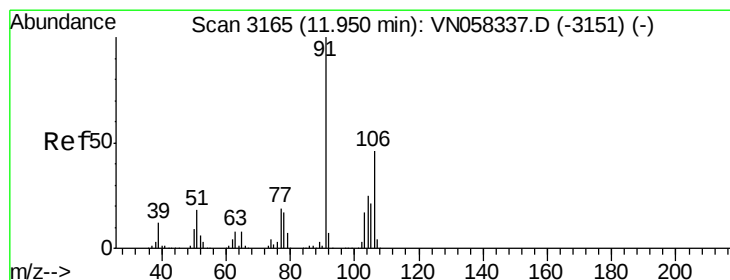
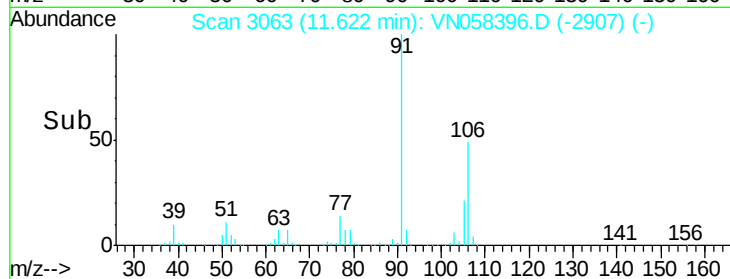
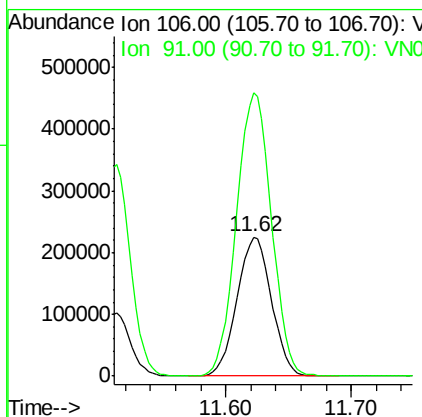
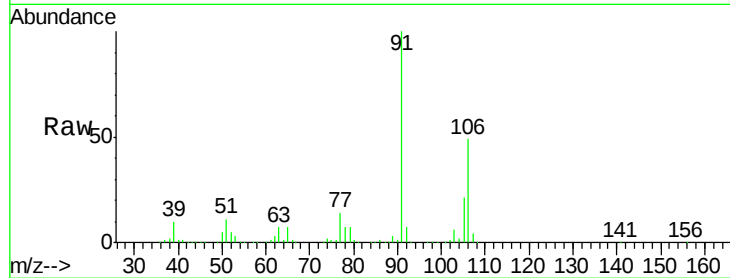
#67
m/p-Xylenes
Concen: 42.497 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN058396.D
Acq: 26 Sep 2019 19:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion:106 Resp: 429453
Ion Ratio Lower Upper
106 100
91 206.9 167.8 251.6

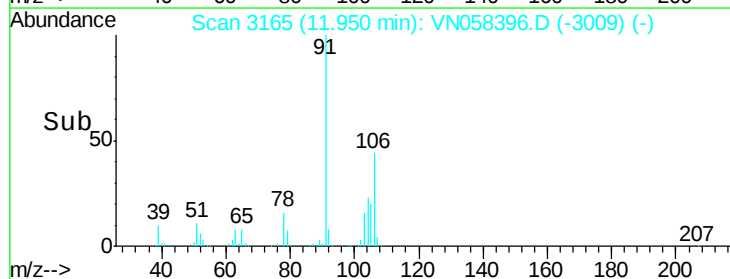
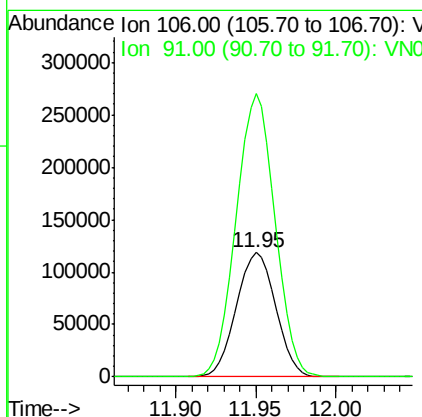
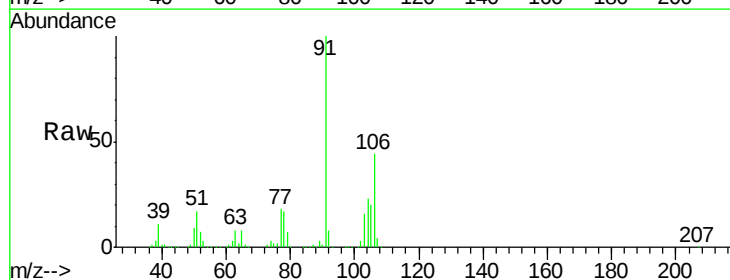
Manual Integrations
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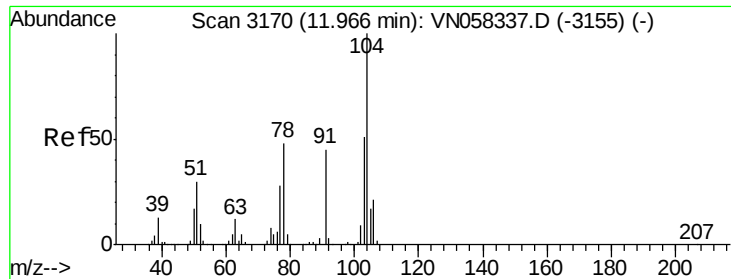
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#68
o-Xylene
Concen: 20.296 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058396.D
Acq: 26 Sep 2019 19:46

Tgt Ion:106 Resp: 199431
Ion Ratio Lower Upper
106 100
91 224.3 108.7 325.9





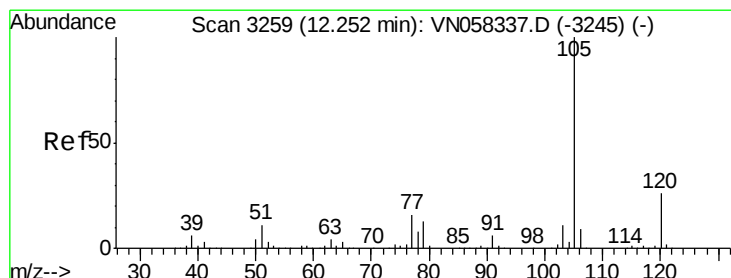
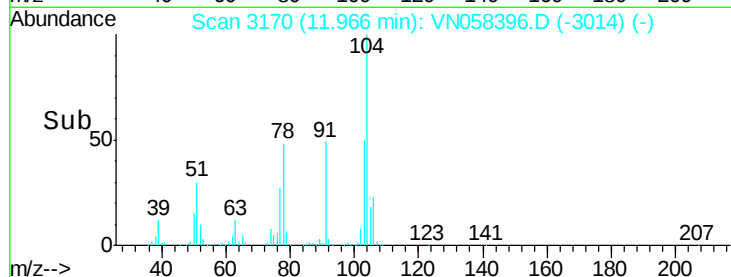
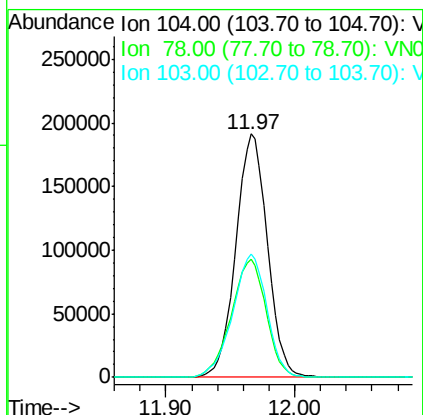
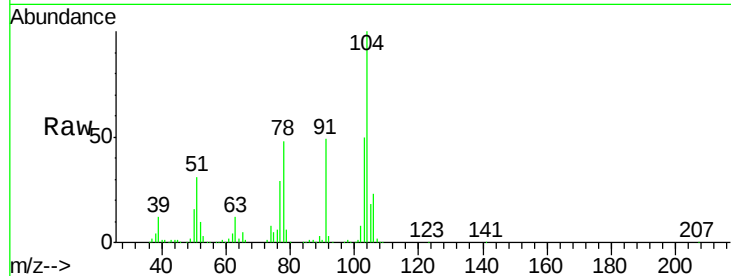
#69
Stvrene
Concen: 19.781 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058396.D
Acq: 26 Sep 2019 19:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
104	100	325035		
78	53.6		42.3	63.5
103	54.9		44.1	66.1

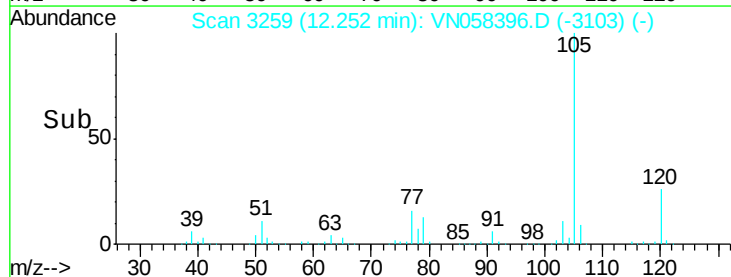
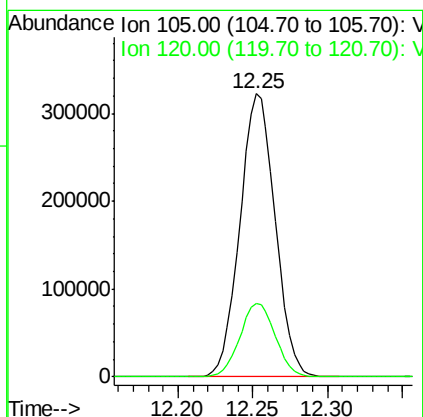
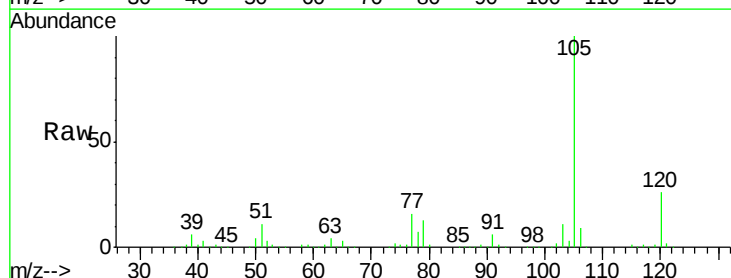
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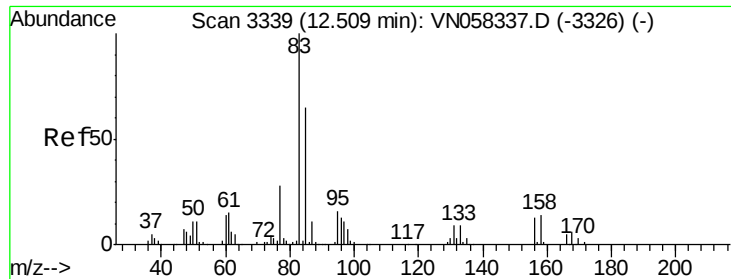
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#70
Isopropylbenzene
Concen: 20.745 ug/l
RT: 12.25 min Scan# 3259
Delta R.T. 0.00 min
Lab File: VN058396.D
Acq: 26 Sep 2019 19:46

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	528258		
120	26.0		18.2	33.8





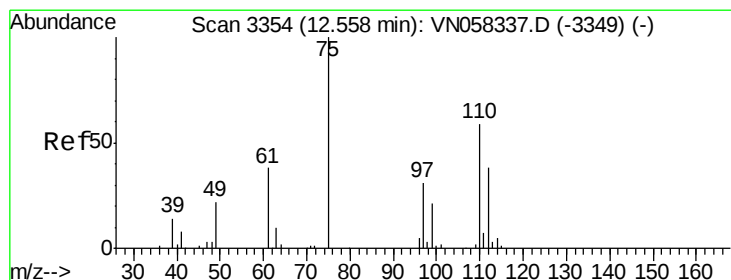
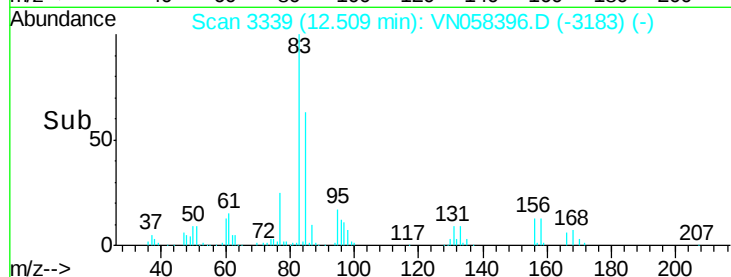
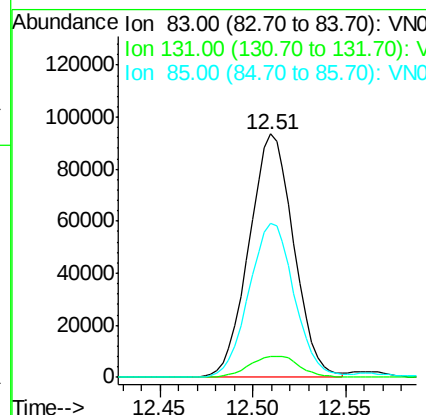
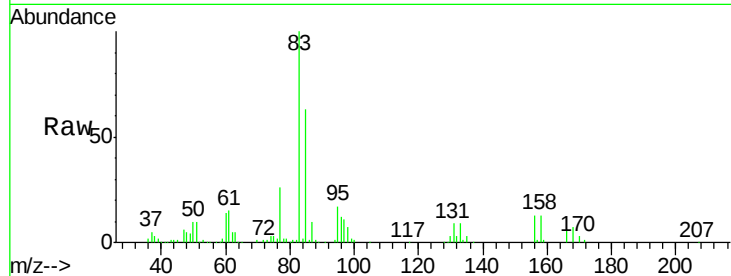
#71
 1,1,2,2-Tetrachloroethane
 Concen: 19.406 ug/l
 RT: 12.51 min Scan# 3339
 Delta R.T. 0.00 min
 Lab File: VN058396.D
 Acq: 26 Sep 2019 19:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	83	Resp	157060
Ion Ratio	100	Lower	Upper
83	100		
131	9.7	4.8	14.3
85	64.4	32.6	97.7

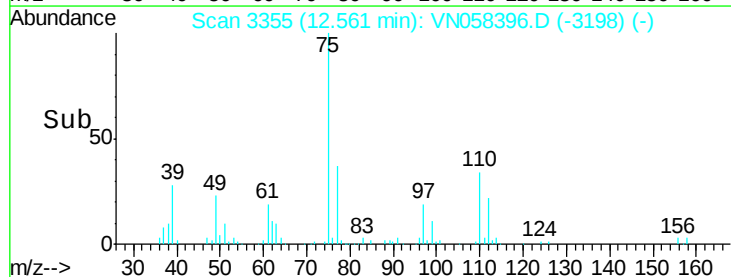
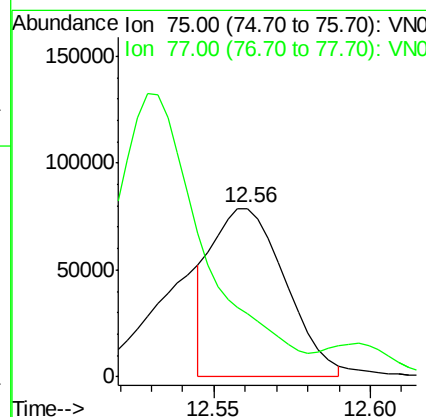
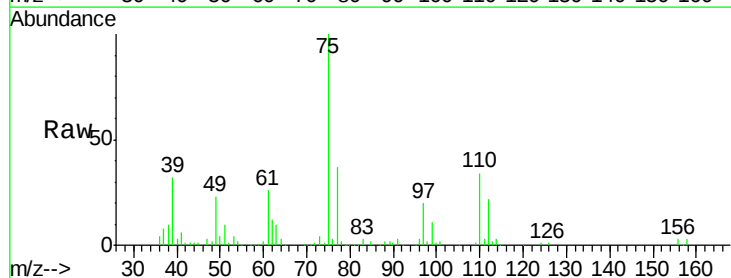
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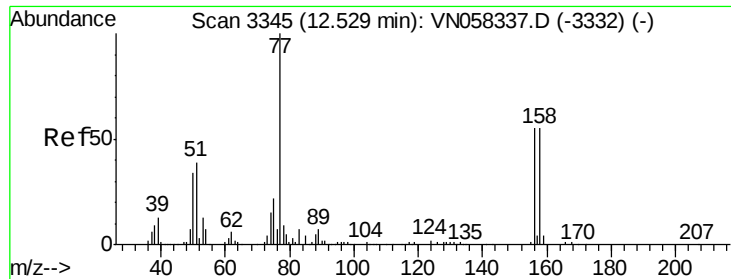
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#72
 1,2,3-Trichloropropane
 Concen: 18.454 ug/l m
 RT: 12.56 min Scan# 3355
 Delta R.T. 0.00 min
 Lab File: VN058396.D
 Acq: 26 Sep 2019 19:46

Tgt Ion	75	Resp	128448
Ion Ratio	100	Lower	Upper
75	100		
77	208.6	0.0	382.4





#73

Bromobenzene

Concen: 19.847 ug/l

RT: 12.53 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN058396.D

Acq: 26 Sep 2019 19:46

Instrument :

MSVOA_N

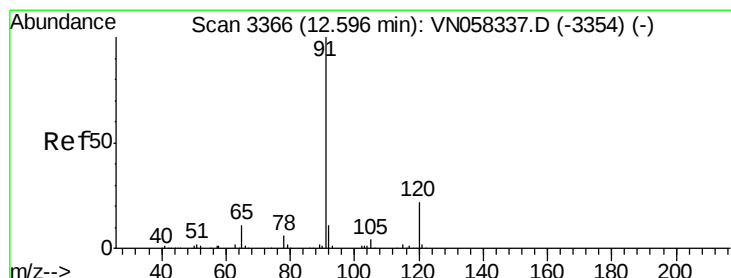
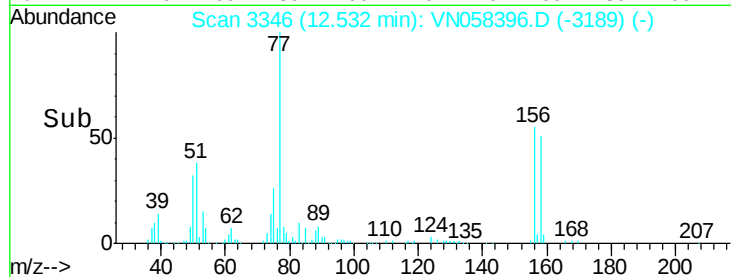
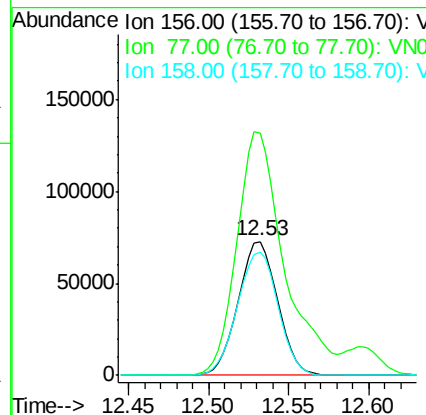
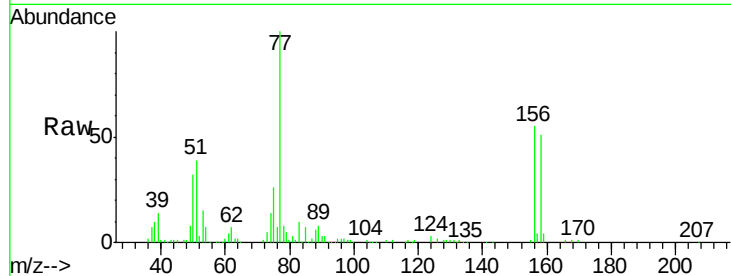
ClientSampleId :

VSTDCCC020EC

Tot Ion:	156	Resp:	122409
Ion Ratio	Lower	Upper	
156	100		
77	218.9	0.0	438.8
158	95.2	0.0	195.6

Manual Integrations
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#74

n-propylbenzene

Concen: 20.797 ug/l

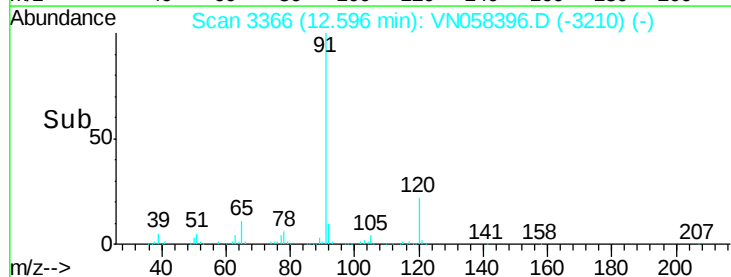
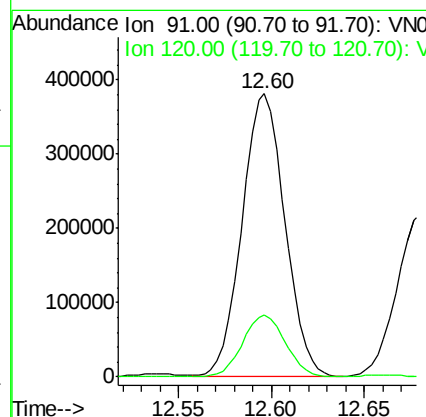
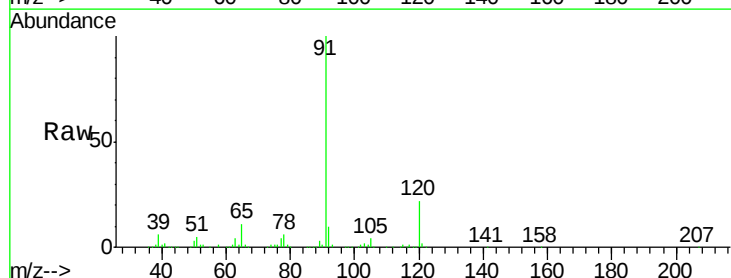
RT: 12.60 min Scan# 3366

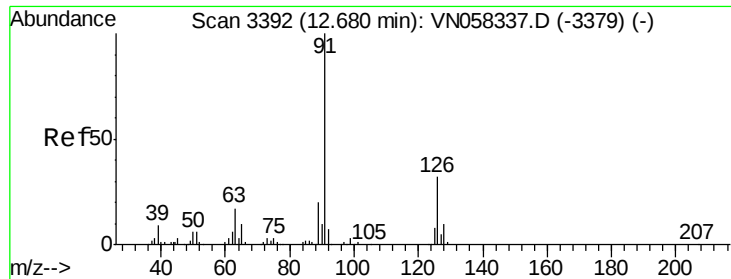
Delta R.T. 0.00 min

Lab File: VN058396.D

Acq: 26 Sep 2019 19:46

Tgt Ion:	91	Resp:	610508
Ion Ratio	Lower	Upper	
91	100		
120	21.8	0.0	44.0





#75

2-Chlorotoluene

Concen: 19.829 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN058396.D

Acq: 26 Sep 2019 19:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 91 Resp: 364116

Ion Ratio Lower Upper

91 100

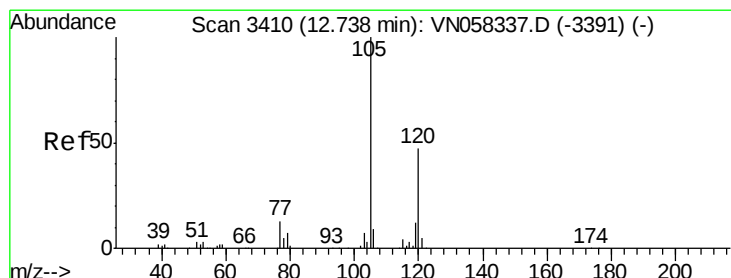
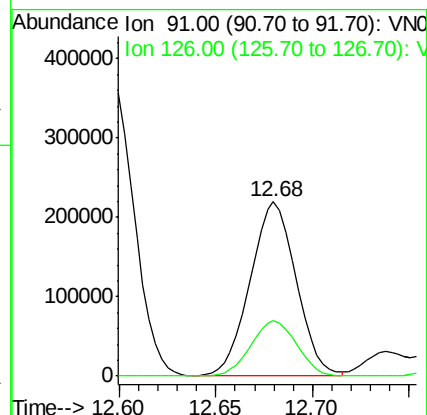
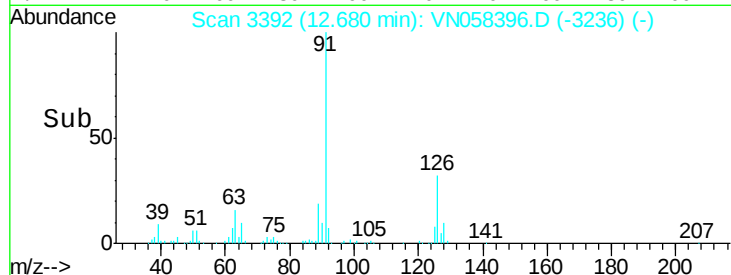
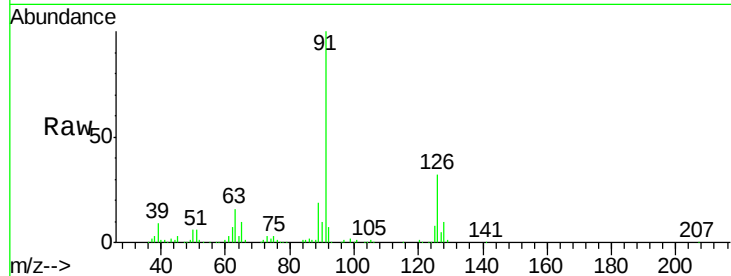
126 31.8 0.0 65.0

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#76

1,3,5-Trimethylbenzene

Concen: 20.216 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN058396.D

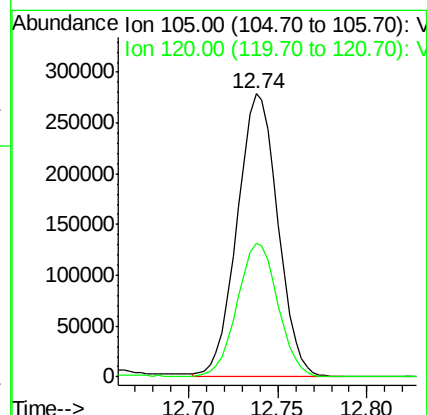
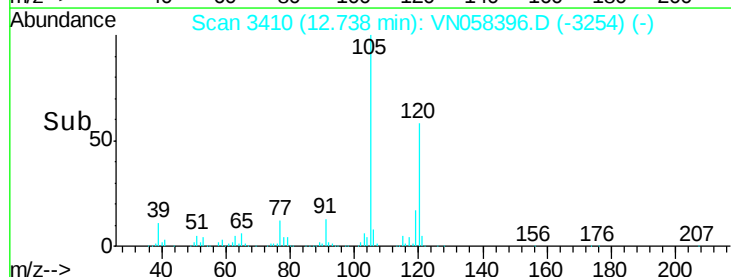
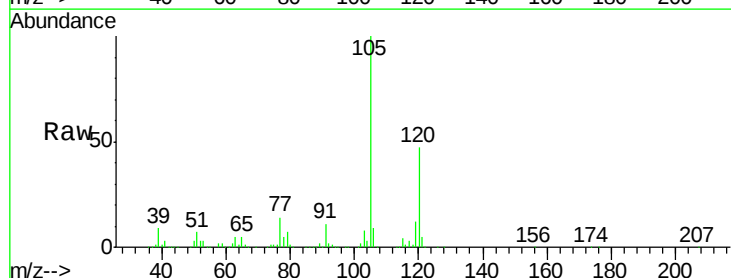
Acq: 26 Sep 2019 19:46

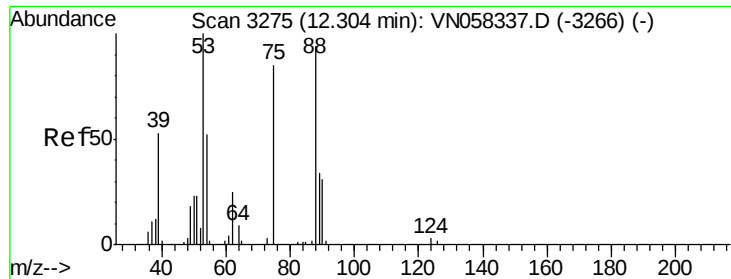
Tgt Ion: 105 Resp: 443263

Ion Ratio Lower Upper

105 100

120 47.4 0.0 94.4





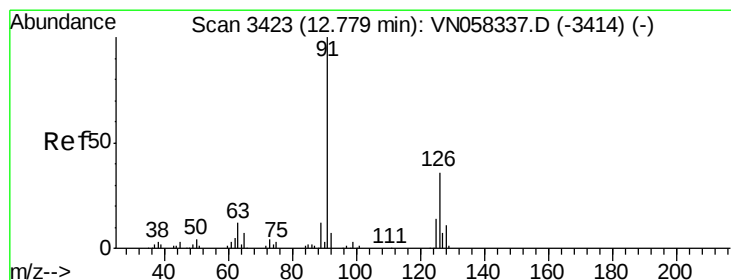
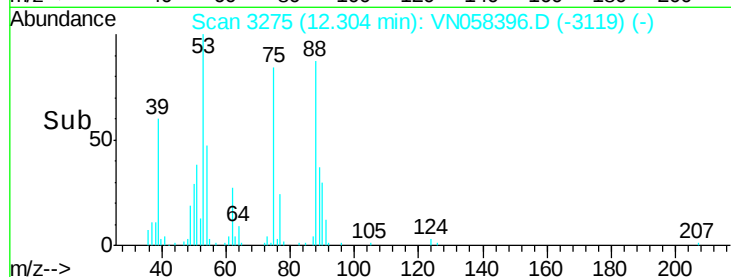
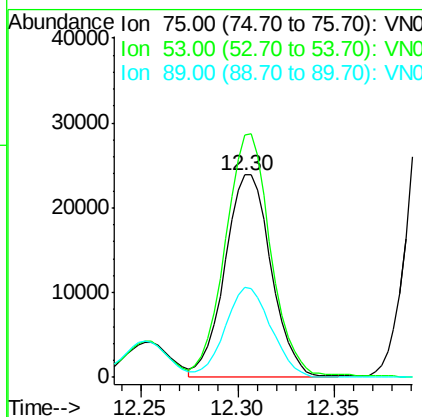
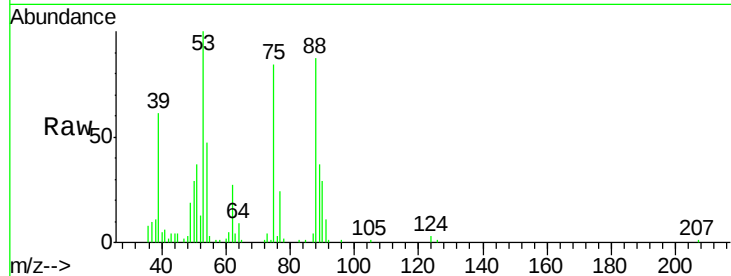
#77
t-1,4-Dichloro-2-butene
Concen: 17.536 ug/l
RT: 12.30 min Scan# 3275
Delta R.T. 0.00 min
Lab File: VN058396.D
Acq: 26 Sep 2019 19:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	118.9	59.0	176.8
89	44.7	21.6	65.0

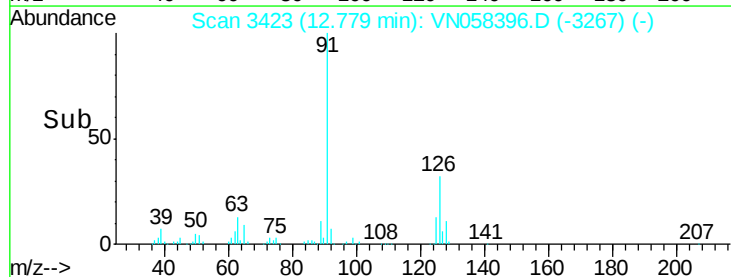
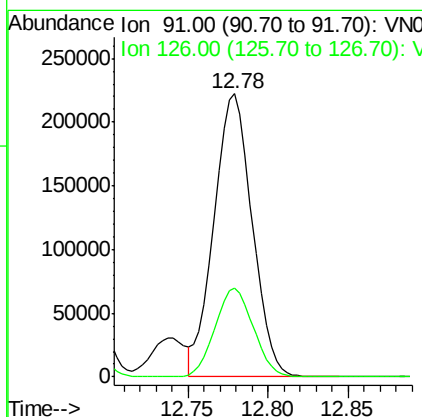
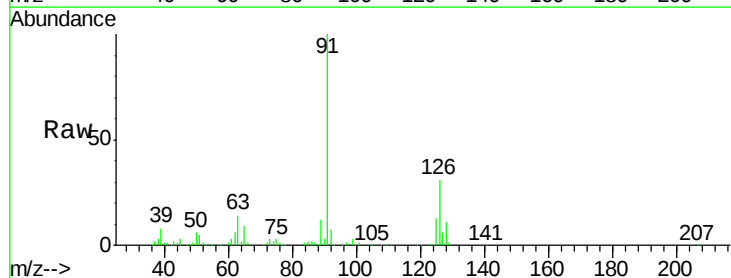
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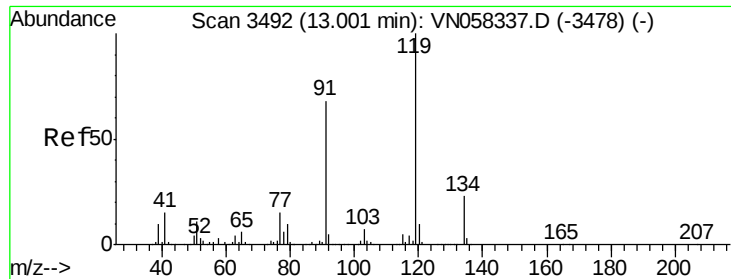
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#78
4-Chlorotoluene
Concen: 19.376 ug/l
RT: 12.78 min Scan# 3423
Delta R.T. 0.00 min
Lab File: VN058396.D
Acq: 26 Sep 2019 19:46

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.1	0.0	63.8





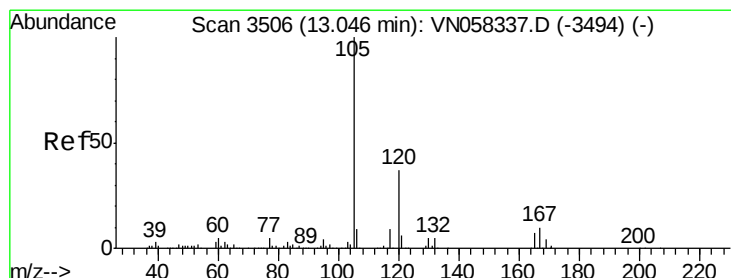
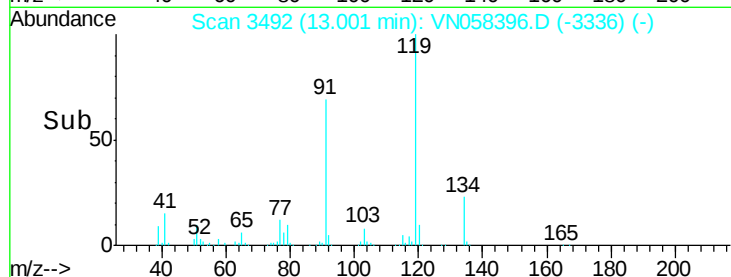
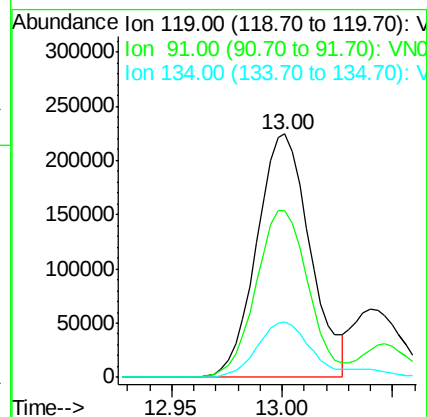
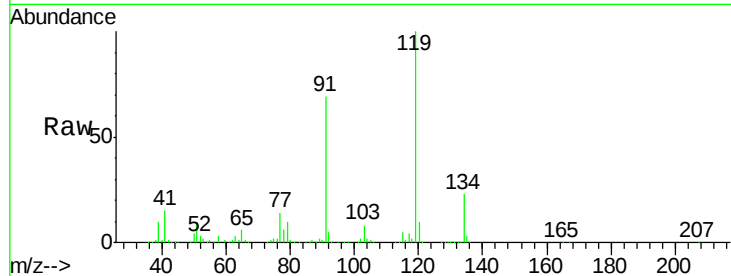
#79
tert-butylbenzene
Concen: 19.791 ug/l
RT: 13.00 min Scan# 3492
Delta R.T. 0.00 min
Lab File: VN058396.D
Acq: 26 Sep 2019 19:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	375713		
91	67.0		0.0	138.2
134	22.5		0.0	46.8

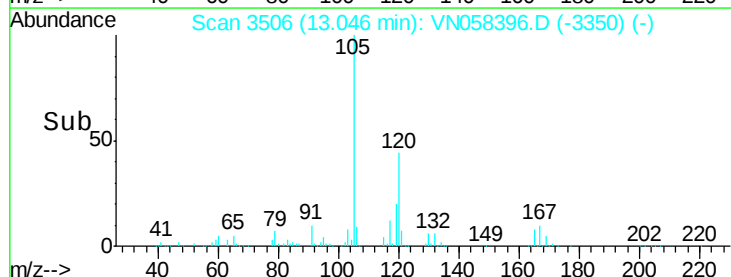
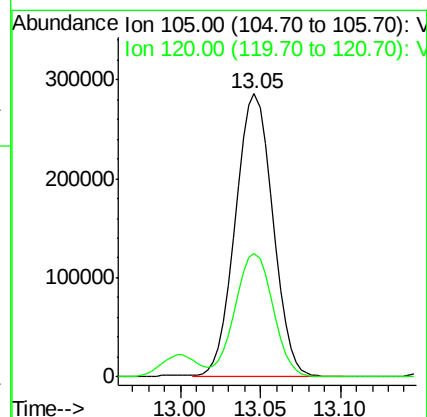
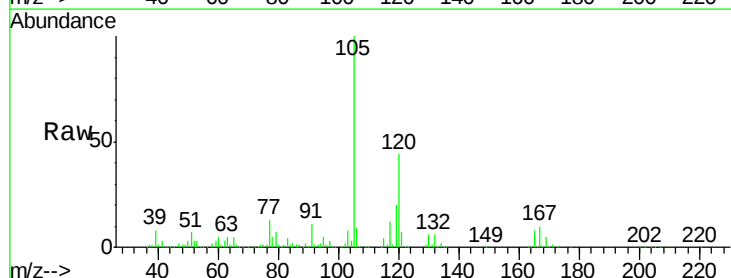
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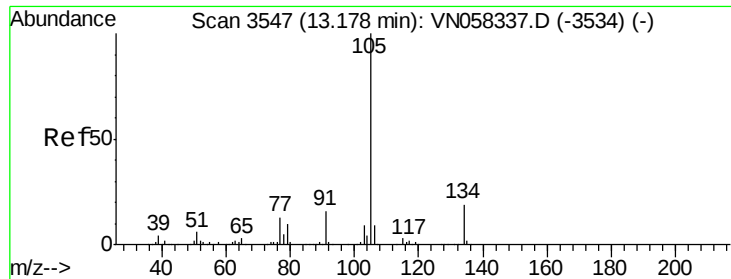
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#80
1,2,4-Trimethylbenzene
Concen: 20.751 ug/l
RT: 13.05 min Scan# 3506
Delta R.T. 0.00 min
Lab File: VN058396.D
Acq: 26 Sep 2019 19:46

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	454161		
120	44.4		0.0	86.6





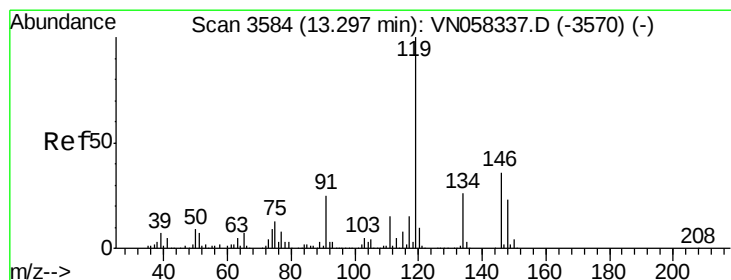
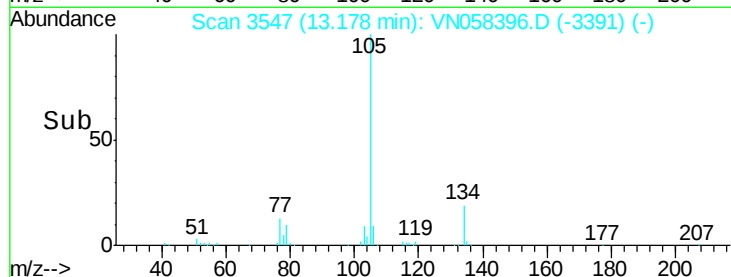
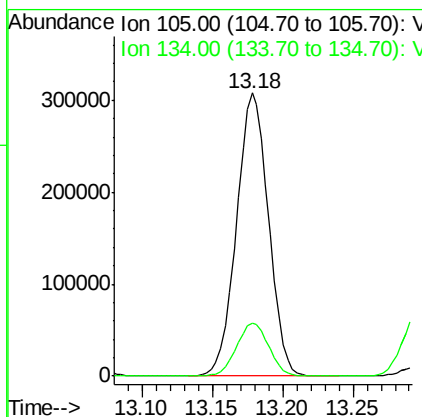
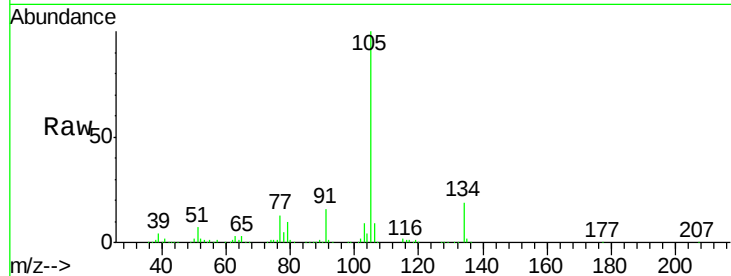
#81
 sec-Butylbenzene
 Concen: 19.552 ug/l
 RT: 13.18 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN058396.D
 Acq: 26 Sep 2019 19:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
105	100	486831		
134	19.0	0.0	38.2	

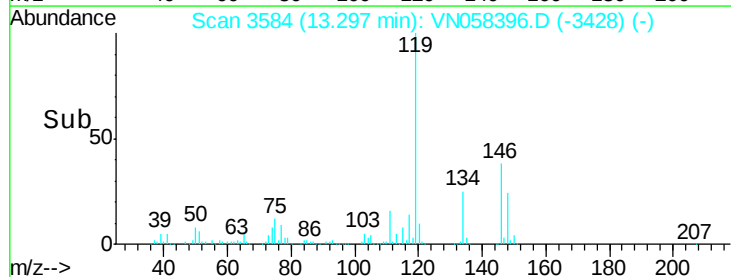
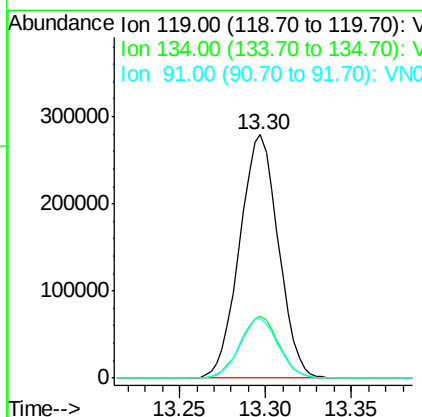
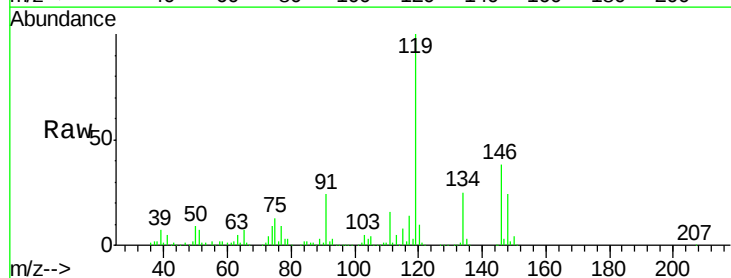
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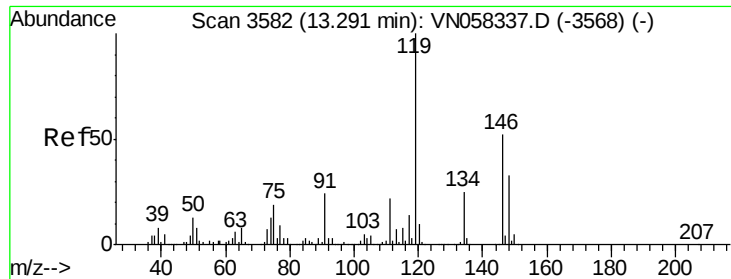
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#82
 p-Isopropyltoluene
 Concen: 19.404 ug/l
 RT: 13.30 min Scan# 3584
 Delta R.T. 0.00 min
 Lab File: VN058396.D
 Acq: 26 Sep 2019 19:46

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	435096		
134	25.3	0.0	51.6	
91	24.6	0.0	49.6	





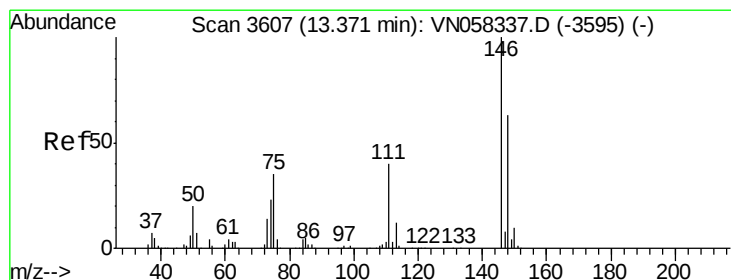
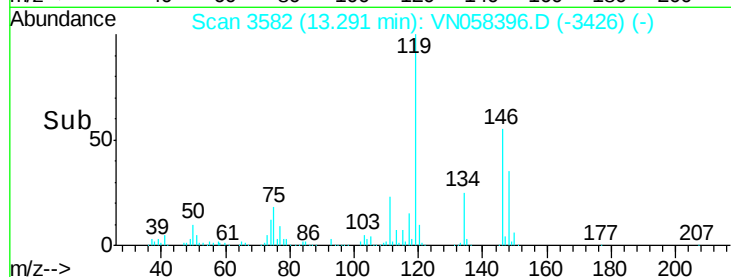
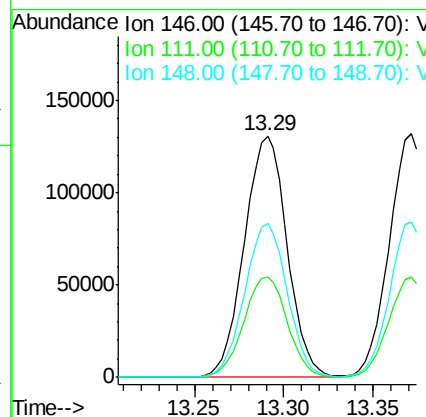
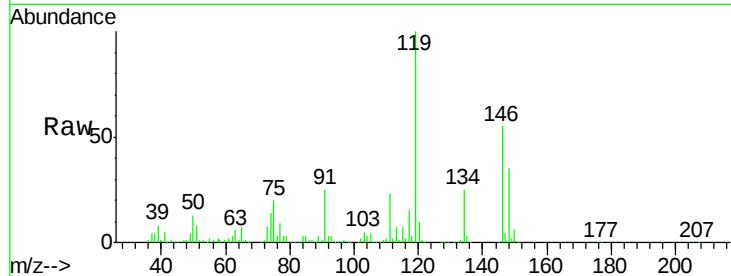
#83
 1,3-Dichlorobenzene
 Concen: 19.213 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN058396.D
 Acq: 26 Sep 2019 19:46

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	218637		
111	42.4	20.9	62.8	
148	63.4	32.0	96.2	

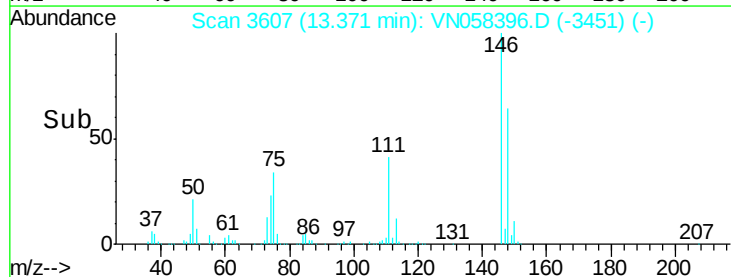
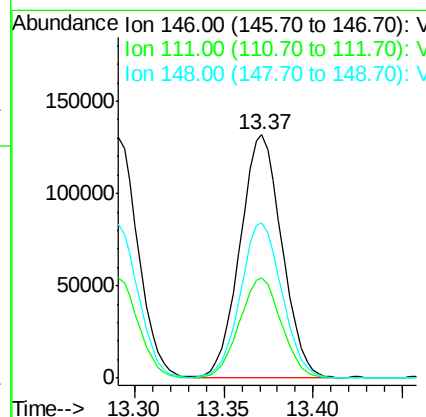
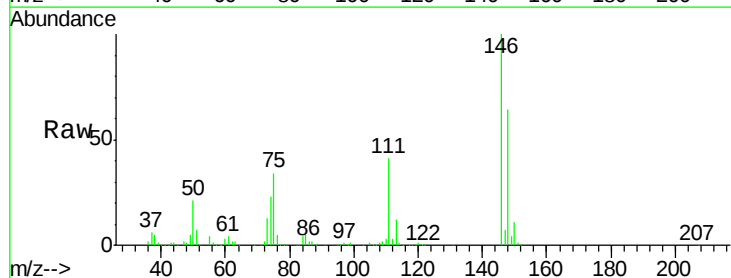
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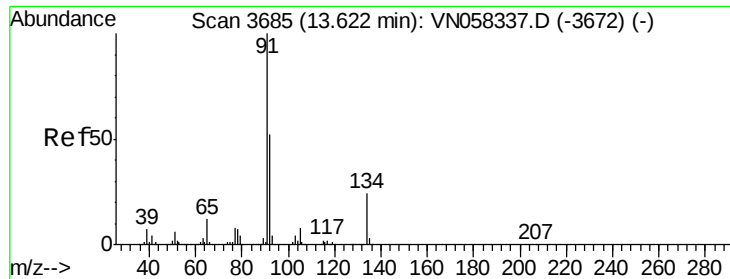
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#84
 1,4-Dichlorobenzene
 Concen: 18.955 ug/l
 RT: 13.37 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN058396.D
 Acq: 26 Sep 2019 19:46

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	214677		
111	41.6	20.4	61.3	
148	64.0	31.9	95.7	





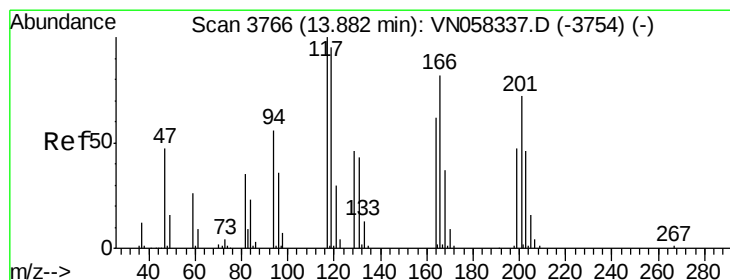
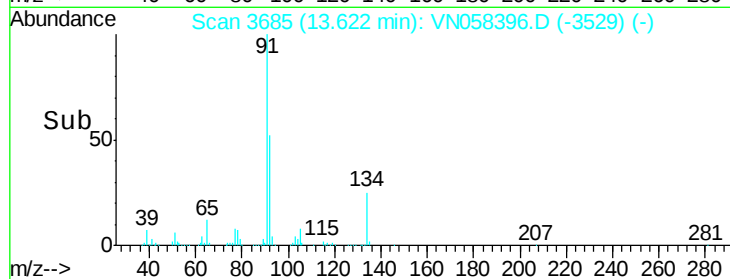
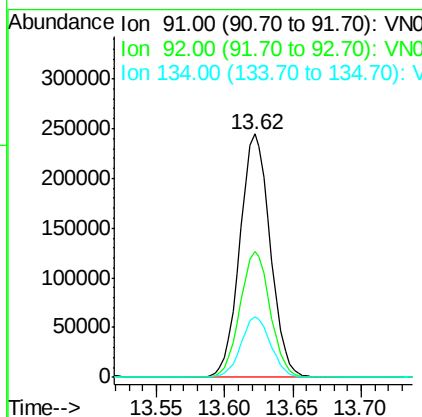
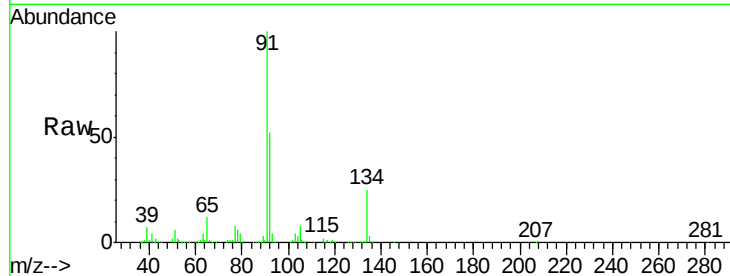
#85
n-Butylbenzene
Concen: 18.068 ug/l
RT: 13.62 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN058396.D
Acq: 26 Sep 2019 19:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.5	0.0	102.6
134	24.6	0.0	47.8

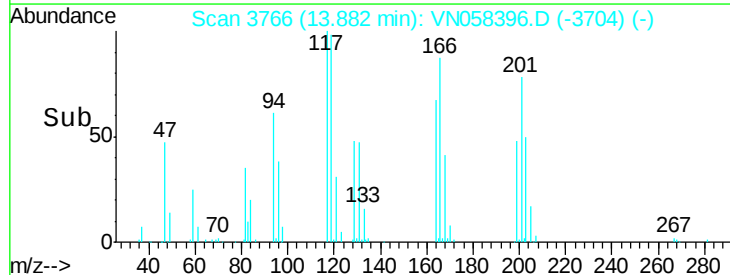
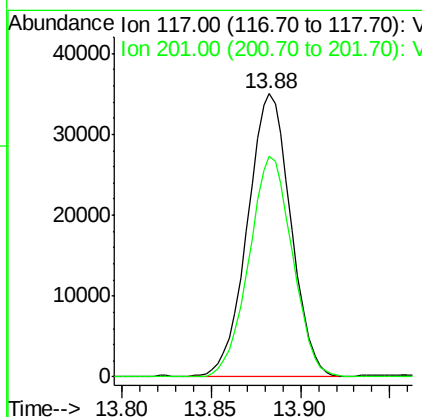
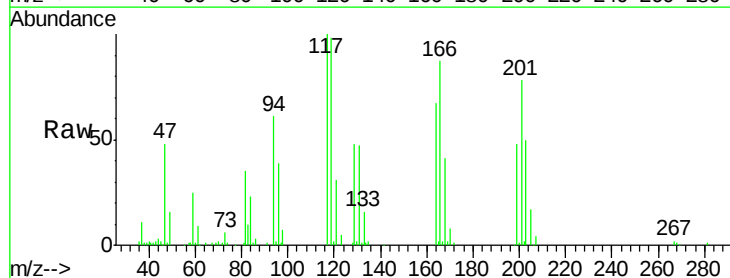
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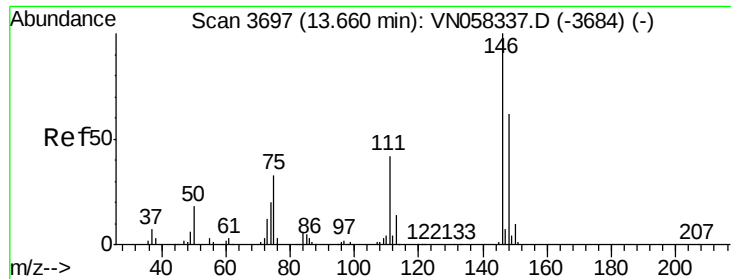
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#86
Hexachloroethane
Concen: 16.411 ug/l
RT: 13.88 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN058396.D
Acq: 26 Sep 2019 19:46

Tgt Ion	Ratio	Lower	Upper
117	100		
201	77.9	37.2	111.6





#87

1,2-Dichlorobenzene

Concen: 19.520 ug/l

RT: 13.66 min Scan# 3697

Delta R.T. 0.00 min

Lab File: VN058396.D

Acq: 26 Sep 2019 19:46

Instrument :

MSVOA_N

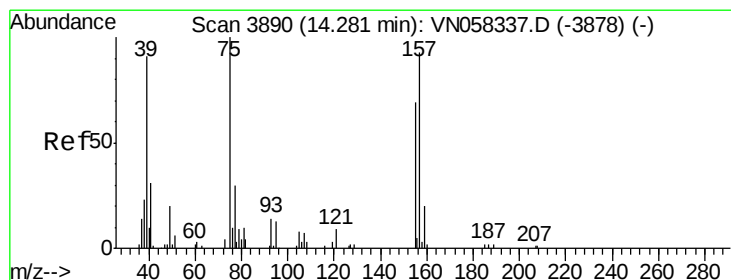
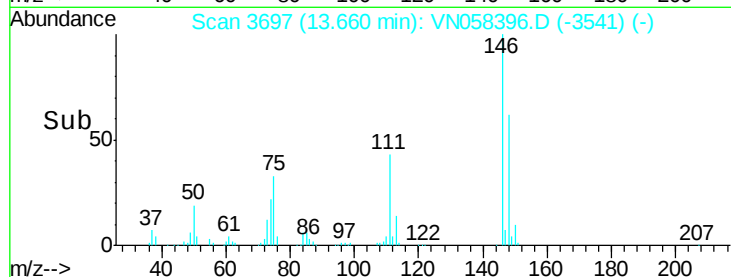
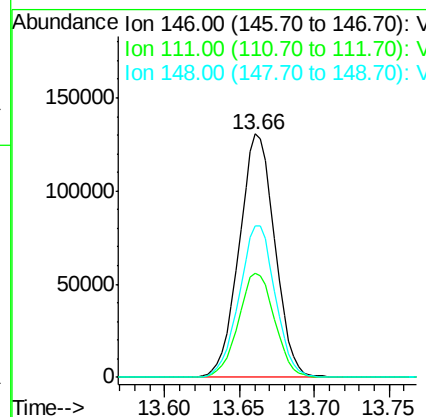
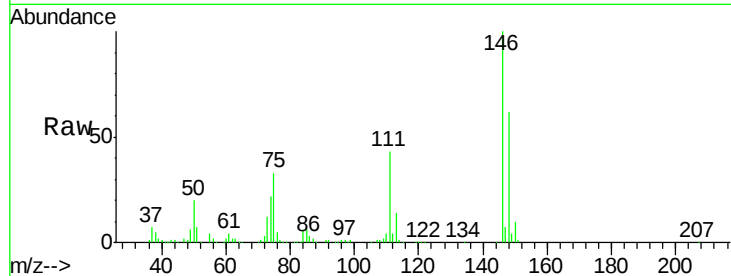
ClientSampleId :

VSTDCCC020EC

Tot Ion:	146	Resp:	216903
Ion Ratio	Lower	Upper	
146	100		
111	43.5	21.1	63.3
148	62.8	31.9	95.7

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#88

1,2-Dibromo-3-Chloropropane

Concen: 17.124 ug/l

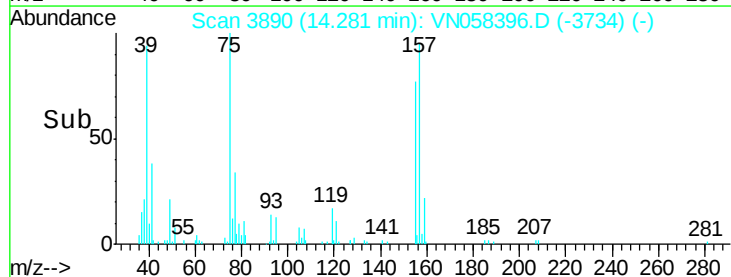
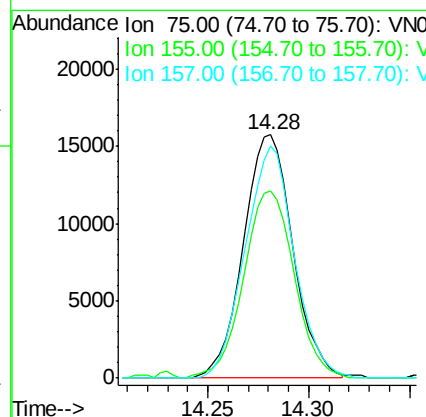
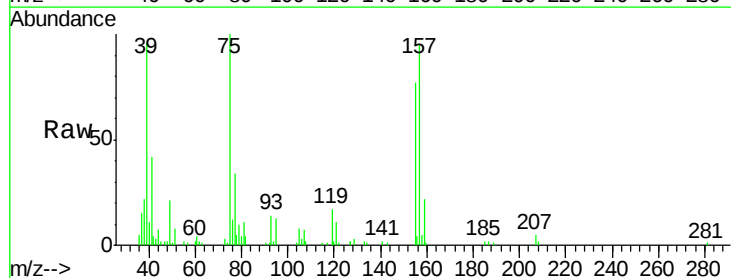
RT: 14.28 min Scan# 3890

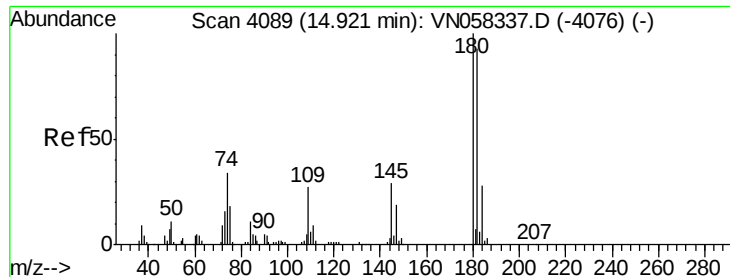
Delta R.T. 0.00 min

Lab File: VN058396.D

Acq: 26 Sep 2019 19:46

Tgt Ion:	75	Resp:	27049
Ion Ratio	Lower	Upper	
75	100		
155	78.6	58.5	87.7
157	94.8	75.4	113.2





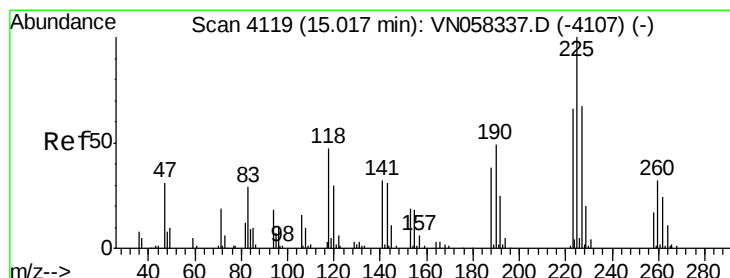
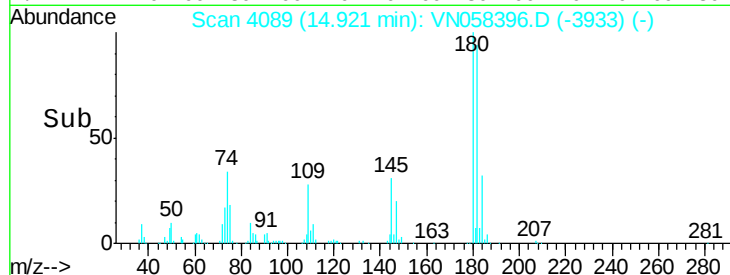
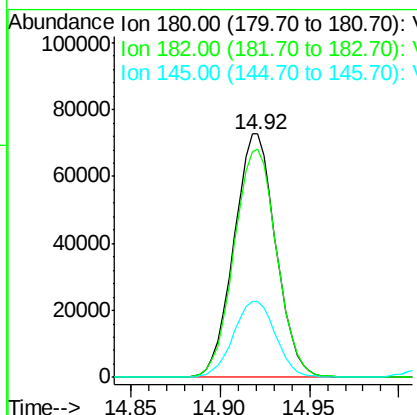
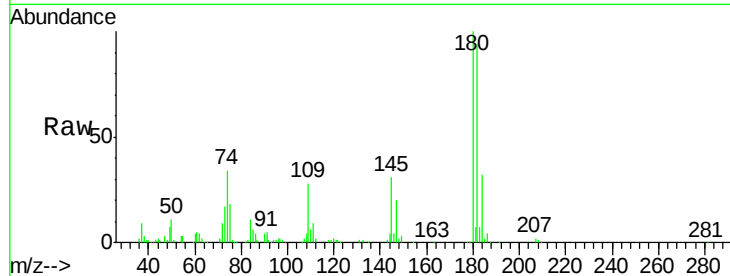
#89
 1,2,4-Trichlorobenzene
 Concen: 16.414 ug/l
 RT: 14.92 min Scan# 4089
 Delta R.T. 0.00 min
 Lab File: VN058396.D
 Acq: 26 Sep 2019 19:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.6	75.2	112.8
145	31.6	25.1	37.7

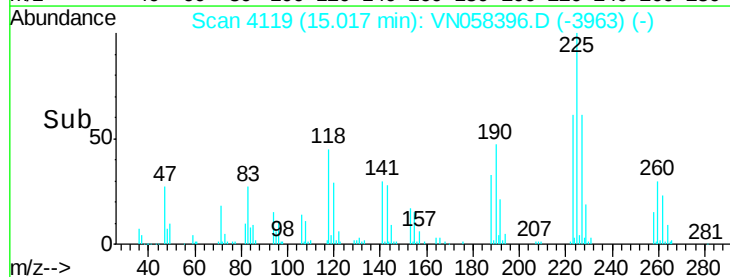
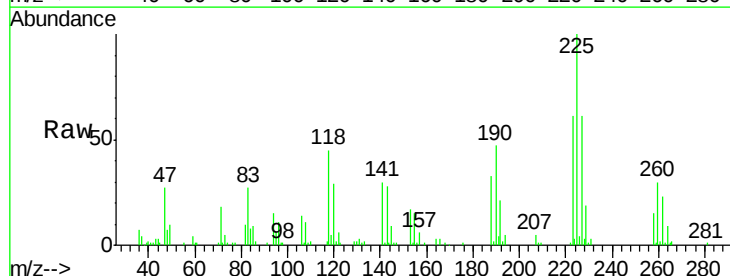
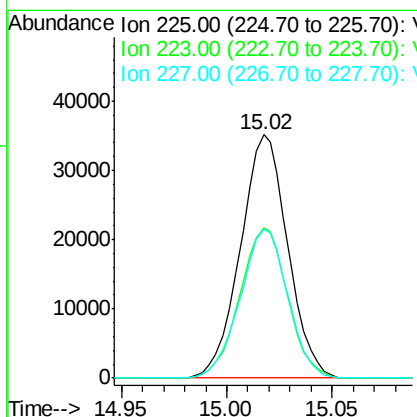
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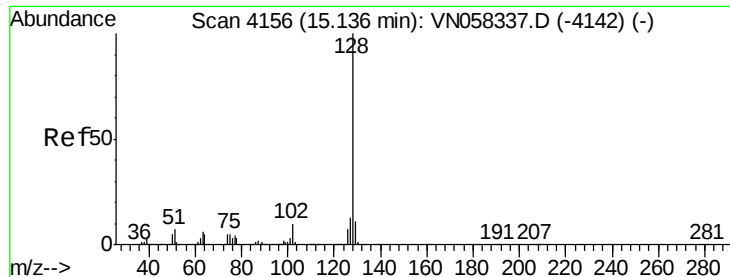
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#90
 Hexachlorobutadiene
 Concen: 15.549 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN058396.D
 Acq: 26 Sep 2019 19:46

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.3	0.0	132.6
227	61.8	0.0	129.2





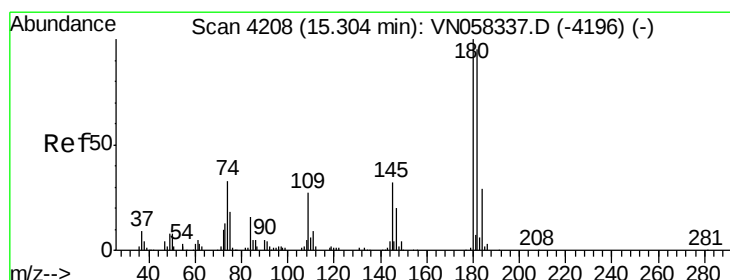
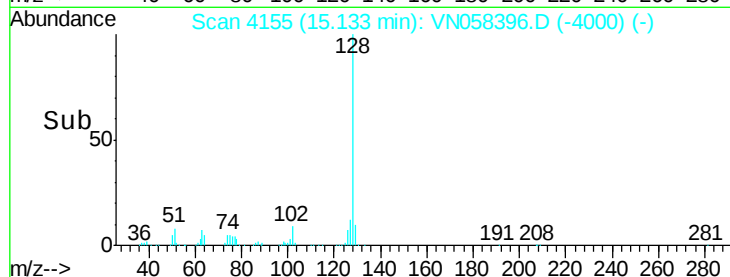
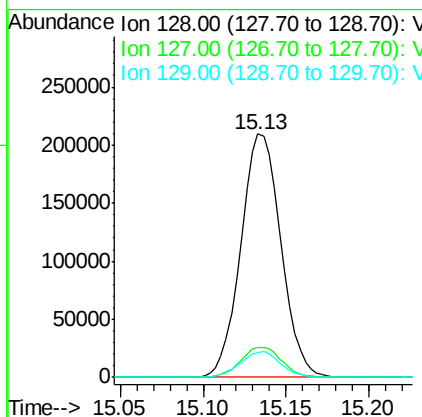
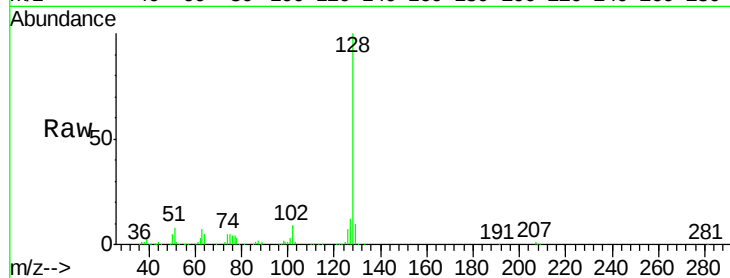
#91
Naphthalene
Concen: 17.692 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN058396.D
Acq: 26 Sep 2019 19:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
128	100	352695		
127	12.8		10.2	15.4
129	10.6		8.6	13.0

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#92
1,2,3-Trichlorobenzene
Concen: 15.948 ug/l
RT: 15.30 min Scan# 4208
Delta R.T. 0.00 min
Lab File: VN058396.D
Acq: 26 Sep 2019 19:46

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	111194		
182	95.7		0.0	189.4
145	32.1		0.0	64.0

